Jason Jones called 6/21/18

Reported Enkei America, Inc. - IPC. has 10 batteries in the computer servers and each battery weighs 64 pounds There is 0.31 gallons of sulfuric acid in each battery.

James Gentzinger

3-1422

10 Batteries 64#

.31 gallons

300 gallons

4000 gallons temp > Diesel

Generator

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5
EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW
INSPECTION REPORT

INSPECTION REPORT COVER SHEET

FACILITY NAME & ADDRESS	INSPECTION START DATE/TIME	TYPE OF EPCRA INSPECTION
Enkei America, Inc. 2900 West Inwood Drive Columbus, Indiana 47201	April 05, 2018, at 8:30 p.m. INSPECTION END DATE /TIME April 05, 2018, at 12:30 pm	311 312 EPA FACILITY IDENTIFIER #
EPA INSPECTOR IN CHARGE James Entzminger	TITLE EPCRA Inspector	PHONE NUMBER (312) 886-4062
OTHER EPA INSPECTOR PRESENT Robert Mayhugh Xiaomi Zhang	TITLE Inspector EPCRA Inspector-In-Training	PHONE NUMBER (312) 886-5929 (734) 692-7624
FACILITY REPRESENTATIVES Rick Merkel Timothy S. Fields Kyle Zollman Jason Jones	TITLES Chief Operating Officer General Manger Assistant General Manager Environmental Manager	PHONE NUMBERS (812) 343-0486 (812) 343-5669 (812) 350-0660 (812) 350-3534
OTHER INDIVIDUAL PRESENT Holly Argiris, P.E.	TITLE Senior Project Manager	PHONE NUMBER (317) 816-7301

DESCRIPTION OF FACILITY

Enkei America, Inc. is located in a mixed industrial and agricultural area, in Columbus, Indiana (Attachment 1). Interstate 65 is adjacent to the property on the west. There are residential dwellings located about 4,000-feet northeast from the facility and about 4,000-feet northwest.

Enkei America, Inc. is classified in the North American Industrial Classification System as 331524. Enkei America, Inc. is one of nineteen private companies held worldwide by owner, Mr. Suzuki. Its headquarters is in Hamamatsu, Japan. The facility has been at the location since 1985 and it produces a variety of aluminum wheels for vehicles with daily production of about 8,000 wheels. The facility has a logistics center for the distribution of its products. It has about one million square feet of space and has 669 full-time employees. Its annual sales are about $300 million. It also has battery and propane-powered forklifts and number of battery-powered machines. The facility has a couple of bulk diesel tanks for refilling its trucks and a bulk propane tank for refilling its propane-powered forklifts.

OPENING CONFERENCE
James Entzminger, EPA EPCRA Inspector; Robert Mayhugh, EPA Inspector; and Xiaomi Zhang, SEE EPCRA Inspector-In-Training; met with Rick Merkel, Chief Operating Officer; Timothy S. Fields, General Manager; Kyle Zollman, Assistant General Manager; Jason Jones, Environmental Manager; and, Holly Argiris, Senior Project Manager from Environmental Resources Management; for the opening conference. James Entzminger and Robert Mayhugh presented their EPA Inspector Credentials. James Entzminger presented the Notice of Inspection form and the signed form is Attachment 2. Rick Merkel acknowledged receiving the EPCRA inspection announcement letter that explained the purpose of the inspection (Attachment 3). James Entzminger provided an overview of the inventory and release reporting requirements of EPCRA. Timothy S. Fields and Rick Merkel provided the facility description and the processes overview. James Entzminger provided the Confidential Business Information overview and how EPA manages information that is identified as confidential. James Entzminger asked if the facility has any extremely hazardous substances. Timothy S. Fields said the facility has sulfuric acid in its lab and in forklift batteries. James Entzminger asked how much sulfuric acid the facility has on-site and Jason Jones answered that it has 511 pounds of sulfuric acid. James Entzminger requested a site map (Attachment 4) and the Inspection Chemical Inventory Form (Attachment 5). Rick Merkel and Jason Jones presented these documents. James Entzminger requested a site tour and to take pictures (Attachment 6). Rick Merkel granted the requests and pointed out that there are couple of places such as the Spinning Process Area that are to remain as confidential. James Entzminger asked about any safety equipment needed for the site tour and Timothy S. Fields indicated only ear plugs and safety glasses were required.
INSPECTOR'S FINDINGS
Timothy S. Fields, Kyle Zollman, Jason Jones, and Holly Argiris accompanied James Entzminger, Robert Mayhugh, and Xiaomi Zhang during the site tour. The site tour started in Plant #1, then Plant #2, Logistics building, the outside chemical storage area, Final Inspection building, Paint building, and the Metal Fatigue lab. James Entzminger, Robert Mayhugh, and Xiaomi Zhang observed 2 lead-acid battery-powered forklifts, 30 propane-powered forklifts, 2 lead-acid battery-powered man-lifts, 2 battery powered carts, 1 electric wielder, 1 300-gallon bulk diesel tank, 1 1,000-gallon bulk diesel tank, 2 diesel generators (each contains 366 gallons of diesel), 8 55-gallon barrels of lube oil, 2 55-gallon barrels of hydraulic oil, 36 propane cylinders (30 pounds each), 1 1,000-gallon bulk propane tank, compressed gas cylinders storage area, 1 nitric acid drum, an extremely hazardous substance, 4 55-gallon barrels of acetone, 2 55-gallon barrels of isopropyl alcohol, 3 55-gallon barrels of dye coat (Yamark HF-880A), 5 totes of deoxidizer, 2 totes of alkaline cleaner, 3 totes of coating, 2 55-gallon barrels of thinner, 14 totes of Blasocut and Houghto-Safe 419R, 3 totes of Saphire Clean 1222, 3 totes of Tech Cool 35075B, and 50-60 barrels of liquid paint. James Entzminger, Robert Mayhugh, and Xiaomi Zhang also observed 2 hazardous waste barrels without a date label (this was corrected during the inspection). The maximum amount of diesel would be ((300 gallons + 1,000 gallons) + (2 x 366 gallons))(90%)) = 1,828.8 gallons. The total weight of diesel equals (1,828.8 gallons)(0.876 specific gravity)(8.34 pounds per gallon of water) = 13,361 pounds. This is greater than the 10,000-pound reporting threshold. Diesel fuel was not included on the Tier II forms submitted by Enkei America, Inc. The maximum amount of propane would be (1,000 gallon)(90%) = 900 gallons. The total amount of propane in the cylinders is (30 pounds per propane cylinder)(36 cylinders on racks + 32 cylinders on fork-lift trucks + 1 cylinder on a floor scrubber + 1 cylinder on a floor sweeper) = 2,100 pounds. The total weight of the propane

equals (900 gallons)(0.58 relative density)(8.34 pounds per gallon water) = 4,353.48 in the bulk tank + 2,100 pounds in the propane cylinders = 6,453.48 pounds. This is less than the 10,000-pound reporting threshold.

Enkei America Inc. provided Tier II forms for 2014, 2015, 2016, and 2017. James Entzminger asked if the facility had any revisions of their Tier II forms. Timothy S. Fields said Yes. The facility submitted revisions for 2014, 2015, 2016, and 2017 by adding Saphire Clean 1222 and a revision for 2017 by adding sulfuric acid. The Tier II forms are Attachment 7.

James Entzminger used the EPCRA INSPECTION REPORT (302-312) as an instrument to guide the inspection and made notes on the form Attachment 8 and in a bound composition notebook (Attachment 9).

Xiaomi Zhang used the EPCRA INSPECTION REPORT (302-312) as an instrument to guide during the inspection and made notes on the form (Attachment 10).

CLOSING CONFERENCE

James Entzminger, Robert Mayhugh, and Xiaomi Zhang met with Rick Merkel, Timothy S. Fields, Kyle Zollman, Jason Jones, and Holly Argiris to review documents and to conduct the closing conference. James Entzminger, Robert Mayhugh, and Xiaomi Zhang reviewed the facility chemical inventory inspection form and SDSs provided (Attachment 11). James Entzminger asked if there were any updates of chemical inventory information for the annual submittals. Timothy S. Fields said Yes and explained what and how they did for the updates (noted in the Inspection Findings). James Entzminger asked if the Tier II forms and their SDSs had been sent to the LEPC or the local fire department. Holly Argiris said Yes for Tier II forms, but not for SDSs. Holly Argiris provided Tier II forms from 2014 through 2017. Timothy S. Fields also provided the facility emergency response plan. James Entzminger made a few suggestions for the emergency response plan: put phone numbers such NRC, SERC, LEPC into the plan; and, list your hazardous chemicals and EHS, location of the chemicals, release quantity thresholds into the plan and next to the phone that will be used to make the emergency notification, so if a release occurs, the facility can quickly report to the NRC, SERC, and LEPC. James Entzminger also asked if the facility has a SPCC plan. Holly Argiris provided the plan. After briefly reading through the plan, James Entzminger suggested that the oil barrels in the oil storage area be placed on a catch basin pallet. James Entzminger explained that, in what circumstances, hazardous chemicals were exempted from Tier II inventory reporting. James Entzminger mentioned that the barrels for collecting hazardous waste should have the date of starting collection on their labels.

James Entzminger filled out the Receipts for Samples and documents form and the signed form is Attachment 12.

Names and Signature of Inspector James Entzminger **James Entzminger**	**Agency/Office/Telephone Number** **US EPA/CEPPS** **(312) 886-4062**	**Date** august 6, 2018
Name and Signature of Reviewer **Michael E. Hans** Michael E. Hans	**Agency/Office** **USEPA/Region 5/ Chief CEPPS**	**Date** 8-6-18

Attachments:

- **Attachment 1 – Google aerial map of the site**
- **Attachment 2 - Notice of inspection form**
- **Attachment 3 – Inspection announcement letter**
- **Attachment 4 – Site map**
- **Attachment 5 - Inspection chemical inventory form**
- **Attachment 6 – Photographs**
- **Attachment 7 – Tier II forms**
- **Attachment 8 - EPCRA inspection report check sheet (Entzminger)**
- **Attachment 9 – Bound composition inspection notes (Entzminger)**
- **Attachment 10 – EPCRA inspection report check sheet (Zhang)**
- **Attachment 11 – SDSs**
- **Attachment 12 – Receipt for samples and document**

Attachment 1


Google Maps 2900 Inwood Dr
Falcon Manufacturing
Sunright America
Barker Dr
Kamic Corporation
CLAAS of America (Parts & Logistics Center)
Tuttle Dr
S 300 W
S International Dr
S Interlake Dr
Norcross Dr
Mactac
Impact Forge Group
Inwood Dr
S 375 W
Cummins Olympia Building
Enkei America
Nikkei Mc Aluminum America
2900 Inwood Drive
Precision Tools Service
Centra Credit Union
Columbus Fire Station 6
Circle K
Koorsen Columbus
W 450 S
Ricker's Gas Station
Southern Indiana Logistics Center
Tst Products
Optimas Solutions
Cummins Service Training Center
Bradford Soap Works
Cummins CMEP
Google
Imagery ©2018 Google, Map data ©2018 Google 500 ft

NOTICE OF INSPECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE: 4/5/18	INSPECTOR NO.	DAILY SEQ. NO.	9:15 AM	Enkei America Incorporated
4. INSPECTOR ADDRESS United States Environmental Protection Agency Region 5 77 West Jackson Boulevard Chicago, Illinois 60604				5. FIRM ADDRESS 2900 West Inwood Dr. Columbus, IN

REASON FOR INSPECTION: This inspection is for the purpose of determining compliance with the Emergency Planning and Community Right-to-Know Act of 1986 and Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA). The scope of this inspection may include, but is not limited to: reviewing and obtaining copies of documents and records; interviews and taking of statements; reviewing of chemical manufacturing, importing, processing, and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to determine compliance with the Act.

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
NAME: James Entzminger		NAME: Jason Jones	
TITLE: EPS	DATE SIGNED: 4/5/18	TITLE: Environmental manager	DATE SIGNED: 4/5/18

Attachment 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

MAR 15 2018

REPLY TO THE ATTENTION OF

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Jason Jones
Environmental Health and Safety Manager
Enkei America Incorporated
2900 West Inwood Drive
Columbus, Indiana 47201-9758

Dear Mr. Jones:

Per your phone conversation of March 14, 2018, with James Entzminger of my staff, you have agreed to the inspection of your facility by the U.S. Environmental Protection Agency, Chemical Emergency Preparedness and Prevention Section plans on conducting an inspection at your facility. The purpose of this inspection is to determine your history of compliance with Sections 302-312 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The rescheduled date and time of the inspection will be April 5, 2018, at 8:30 a.m.

Mr. James Entzminger, Robert Mayhugh, and Xiaomi Zhang will be conducting the EPCRA inspection of your facility. Xiaomi Zhang assists the EPA, as part of the Senior Environmental Employment (SEE) Program. As part of the technical assistance provided to the Agency, he provides inspection services under my direction, pursuant to EPCRA (SARA Title III). SEE enrollees are authorized by the EPA to have access to Confidential Business Information, and sign a Non-Disclosure Agreement regarding any such information.

A facility is subject to the requirements of Sections 311 and 312 if the owner/operator is required to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical under the Occupational Safety and Health Act (OSHA) of 1970 and if the hazardous chemical is present in an amount in excess of the threshold established for such chemical. The reporting requirement covers each hazardous chemical present at the facility at any one time in an amount equal to or greater than 10,000 pounds, and for each extremely hazardous substance present at the facility in an amount greater than or equal to 500 pounds or the threshold planning quantity, whichever is lower.

We provided you the documents previously including Tier Two Form, SARA Title III Fact Sheet, Title III List of Lists, CERCLA Fact Sheet, Small Business Information Sheet, and Inspection Chemical Inventory Form. Read the documents thoroughly and review your storage quantities so that you will be prepared to provide the appropriate information for this inspection. Please be prepared to make the following information available at the time of the inspection:

Attachment 3

- A copy of your site plan which discusses the actions your facility would take in case of an emergency.

- A diagram of your facility, including the locations of any hazardous chemical.

- Copies of your Tier Reports, if appropriate, for calendar year 2014 through 2017.

- Copies of your Form R Reports under EPCRA Section 313, if appropriate, for calendar year 2014 through 2016.

- Invoices, inventory records, or other documents such as a list of chemicals and maximum quantities stored at any one given time during each of the previous three calendar years.

- Material Safety Data Sheets for all hazardous chemicals used/stored at your facility.

- Please fill out the Inspection Chemical Inventory Form that was previously provided to you and have it available for the inspectors at the time of the inspection.

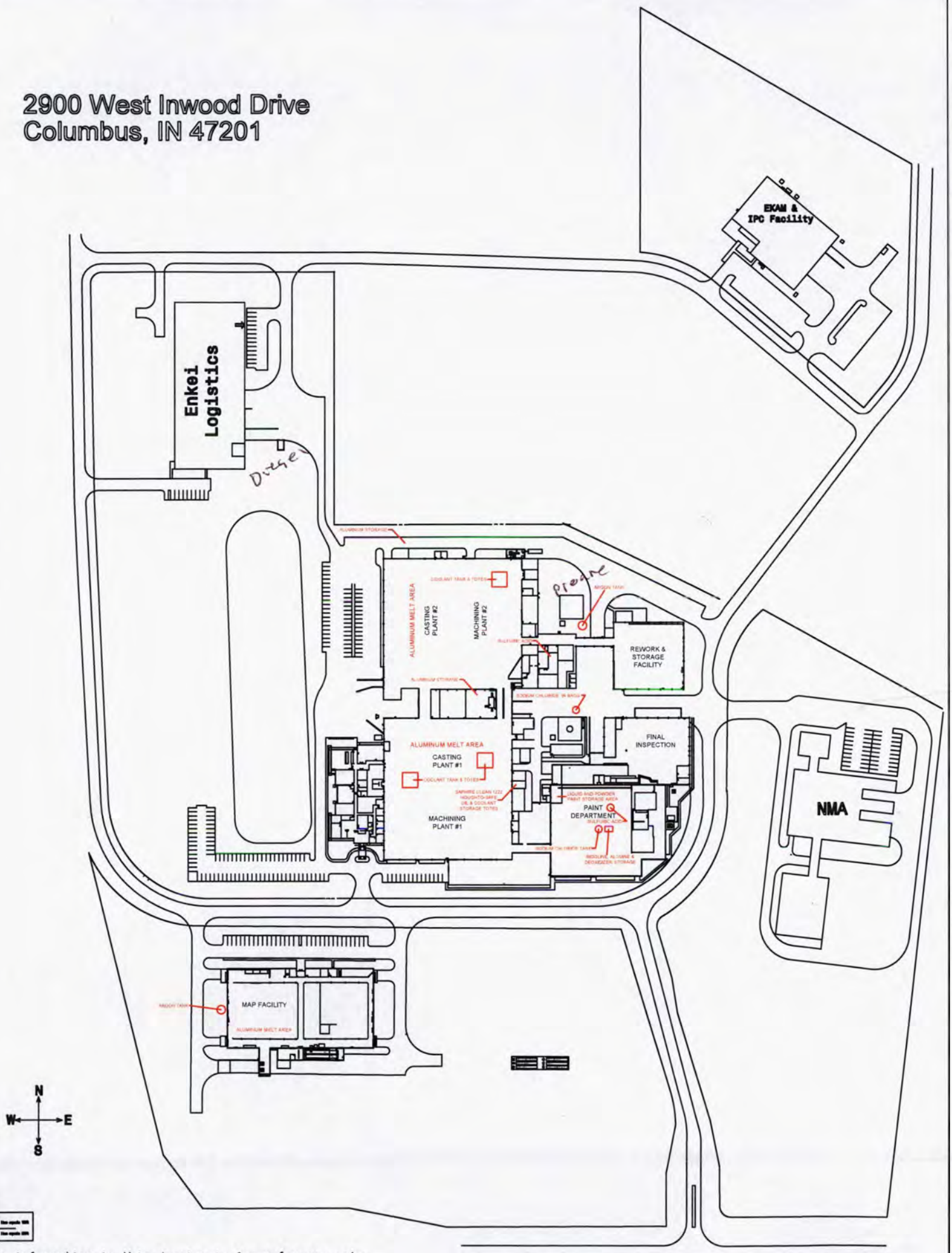
The EPA inspectors will also interview employees who have knowledge regarding the use, manufacturing, production, or storage of the hazardous chemicals, and intends to take pictures of any and all chemicals and quantities stored during the time of the inspection.

If you have any questions regarding this letter or the inspection, please contact Mr. James Entzminger at (312) 886-4062 or Mr. Robert Mayhugh at (312) 886-5929, or Mr. Xiaomi Zhang at (734) 692-7624.

Sincerely,

Michael E. Hans, Chief
Chemical Emergency Preparedness
and Prevention Section

2900 West Inwood Drive
Columbus, IN 47201



The information in this drawing is for reference only.

Attachment 4

U.S. EPA - REGION 5

Chemical Emergency Preparedness and Prevention Section
Facility Name: Eaton America
Facility Address: 2900 W Inwood Drive
City, State, Zip Code: Columbus, INDIANA, 47201

Inspection Chemical Inventory Form

Hazardous Chemical or EHS	Maximum Quantity (in pounds) on Premises At Any One Time During Calendar Year: 2013	2014	2015	2016	2017
Alodine		11,067	11,067	11,067	11,067
Aluminum	181818	1,293,893	1,308,223	1,351,213	1,102,311
Argon	39000	37,368	37,368	37,368	37,368
Coolant	13761	111,575	111,575	111,575	111,575
Deoxidizer	20250	17,469	17,469	17,469	17,469
Houghto-Safe 4912		33,777	33,777	33,777	33,777
Liquid Paint	29000	15,499	21,560	19,360	
Powder Paint	36000	17,500	19.000	17,500	36,000
Saphire Clean 1222		12,518	12,518	12,518	12,518
Sodium Chloride	25725	29,400	29,400	29,400	29,400
Sulfuric Acid					511

Name: Jason Jones
Title: Environmental Manager
Signature: [signature]
Date: 02 APRIL 2018

Attachment 5

PHOTO LOG

Facility: Enkei America, Inc., 2900 W. Inwood Drive, Columbus, IN 47201 Inspector: James Entzminger

Picture #	Date	Time picture taken	Object being photographed	Position from where photo was taken	Specific place at facility where photo was taken	Name of person taking the picture	Names of witnesses present when photos were taken	Thumbnail
1	04/05/2018	09:38 am	Forklift Battery	West	Plant #1	Xiaomi Zhang	James Entzminger Robert Mayhugh	
2	04/05/2018	09:40 am	Lube Oil x 2	North	Plant #1	Xiaomi Zhang	James Entzminger Robert Mayhugh	
3	04/05/2018	09:42 am	Propane Forklift	Southwest	Plant #1	Xiaomi Zhang	James Entzminger Robert Mayhugh	
4	04/05/2018	09:45 am	Dye Coat (Yumark HF-880A)	North	Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
5	04/05/2018	09:46 am	Battery Powered Machine (rent)	Northwest	Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
6	04/05/2018	09:52 am	Diesel Tank	South	Outside of Logistic Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
7	04/05/2018	09:54 am	Propane Cage	North	Outside of Logistic Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
8	04/05/2018	09:55 am	Battery Powered Cart	West	Logistic Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
9	04/05/2018	09:55 am	Battery Powered Cars x 2	East	Logistic Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	

PHOTO LOG

Facility: Enkei America, Inc., 2900 W. Inwood Drive, Columbus, IN 47201 Inspector: James Entzminger

Picture #	Date	Time picture taken	Object being photographed	Position from where photo was taken	Specific place at facility where photo was taken	Name of person taking the picture	Names of witnesses present when photos were taken	Thumbnail
10	04/05/2018	10:02 am	Diesel Tank	Northeast	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
11	04/05/2018	10:03 am	Compressed Gas Storage	East	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
12	04/05/2018	10:06 am	Empty Totes Storage area	Southeast	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
13	04/05/2018	10:06 am	Propane area	South	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
14	04/05/2018	10:07 am	Deoxidizer HX-357 Tote	West	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
15	04/05/2018	10:08 am	Nitric Acid 42 BE	West	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
16	04/05/2018	10:09 am	Acetone (x4)	West	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
17	04/05/2018	10:11 am	Hydrochloric Acid 20 BE (empty, x 4)	North	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	
18	04/05/2018	10:13 am	Battery Powered Equipment	South	Outside of Plant #2	Xiaomi Zhang	James Entzminger Robert Mayhugh	

PHOTO LOG

Facility: Enkei America, Inc., 2900 W. Inwood Drive, Columbus, IN 47201 Inspector: James Entzminger

Picture #	Date	Time picture taken	Object being photographed	Position from where photo was taken	Specific place at facility where photo was taken	Name of person taking the picture	Names of witnesses present when photos were taken	Thumbnail
19	04/05/2018	10:18 am	Alkaline Cleaner (x2), coating (x3), Acid Deoxidizer (x3)	South	Final Inspection Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
20	04/05/2018	10:22 am	Electric Wielder	East	Final Inspection Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
21	04/05/2018	10:23 am	Hydraulic Oil	East	Final Inspection Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
22	04/05/2018	10:28 am	Acid Deoxidizer	West	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
23	04/05/2018	10:31 am	Paint (x 30)	North	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
24	04/05/2018	10:32 am	Paint	North	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
25	04/05/2018	10:33 am	More paint (x20)	Northwest	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
26	04/05/2018	10:36 am	Thinner (Cleaning, x2)	South	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
27	04/05/2018	10:36 am	Battery Powered forklift	North	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	

PHOTO LOG

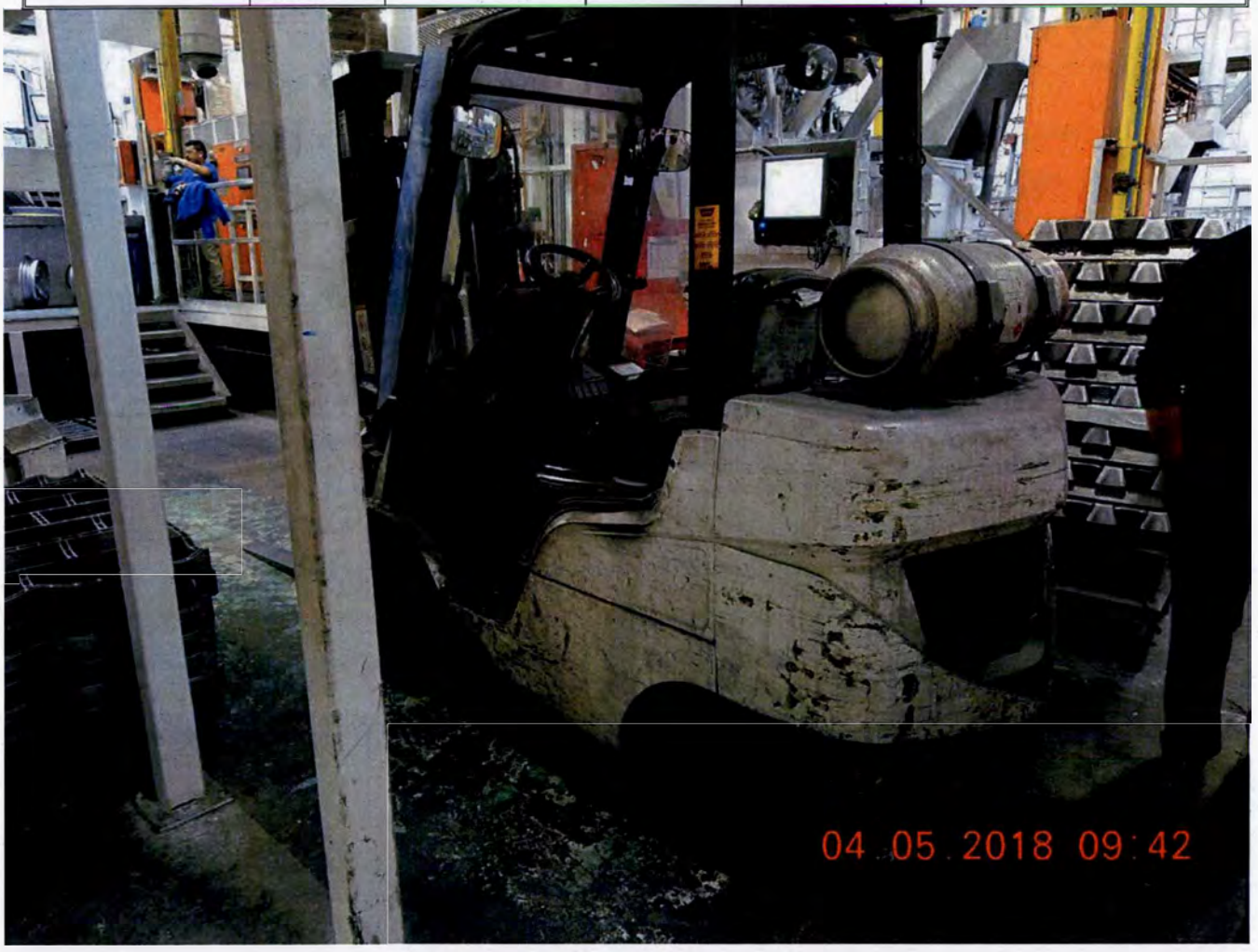
Facility: Enkei America, Inc., 2900 W. Inwood Drive, Columbus, IN 47201 Inspector: James Entzminger

Picture #	Date	Time picture taken	Object being photographed	Position from where photo was taken	Specific place at facility where photo was taken	Name of person taking the picture	Names of witnesses present when photos were taken	Thumbnail
28	04/05/2018	10:40 am	Hazardous Waste (W/O date, corrected)	East	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
29	04/05/2018	10:43 am	Isopropyl Alcohol (99%, x2)	West	Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
30	04/05/2018	10:46 am	Blasocut and Hought 419R (x14), Sapphire Clean 1227	North	Outside of Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
31	04/05/2018	10:50 am	Lube Oil barrels (x6)	North	Outside of Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
32	04/05/2018	10:55 am	Yamark HF-880A	North	Outside of Paint Building	Xiaomi Zhang	James Entzminger Robert Mayhugh	
33	04/05/2018	11:04 am	Tech Cool 35075B Totes (x3)	South	Plant #1	Xiaomi Zhang	James Entzminger Robert Mayhugh	
34	04/05/2018	11:13 am	Chemical Cabin including Sulfuric Acid	East	Fatigue Lab	Xiaomi Zhang	James Entzminger Robert Mayhugh	

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Forklift (Plant #1)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 09:38 a.m.	DIRECTION West	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 1

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Lube Oil (Plant #1)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			**WITNESSES** James Entzminger/Robert Mayhugh		
DATE April 05, 2018	**TIME** 09:40 a.m.	**DIRECTION** North	**CAMERA** Nikon	**FILM** Digital	**PHOTOGRAPH NO.** 2

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Propane Forklift (Plant #1)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 09:42 a.m.	DIRECTION Southwest	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 3



ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Dye Coat (Yumark HF-880A) **(Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **09:45 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **4**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Powered Machine (Plant #2)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 09:46 a.m.	DIRECTION Northwest	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 5

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Diesel Tank (Outside of Logistic Building)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 09:52 a.m.	DIRECTION South	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 6

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Propane Cage (Outside of Logistic Building)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 09:54 a.m.	DIRECTION North	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 7

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Powered Cart **(Logistic Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **09:55 a.m.**	**DIRECTION** **West**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **8**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Powered Cars **(Logistic Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **09:55 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **9**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Diesel Tank **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:02 a.m.**	**DIRECTION** **Northeast**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **10**

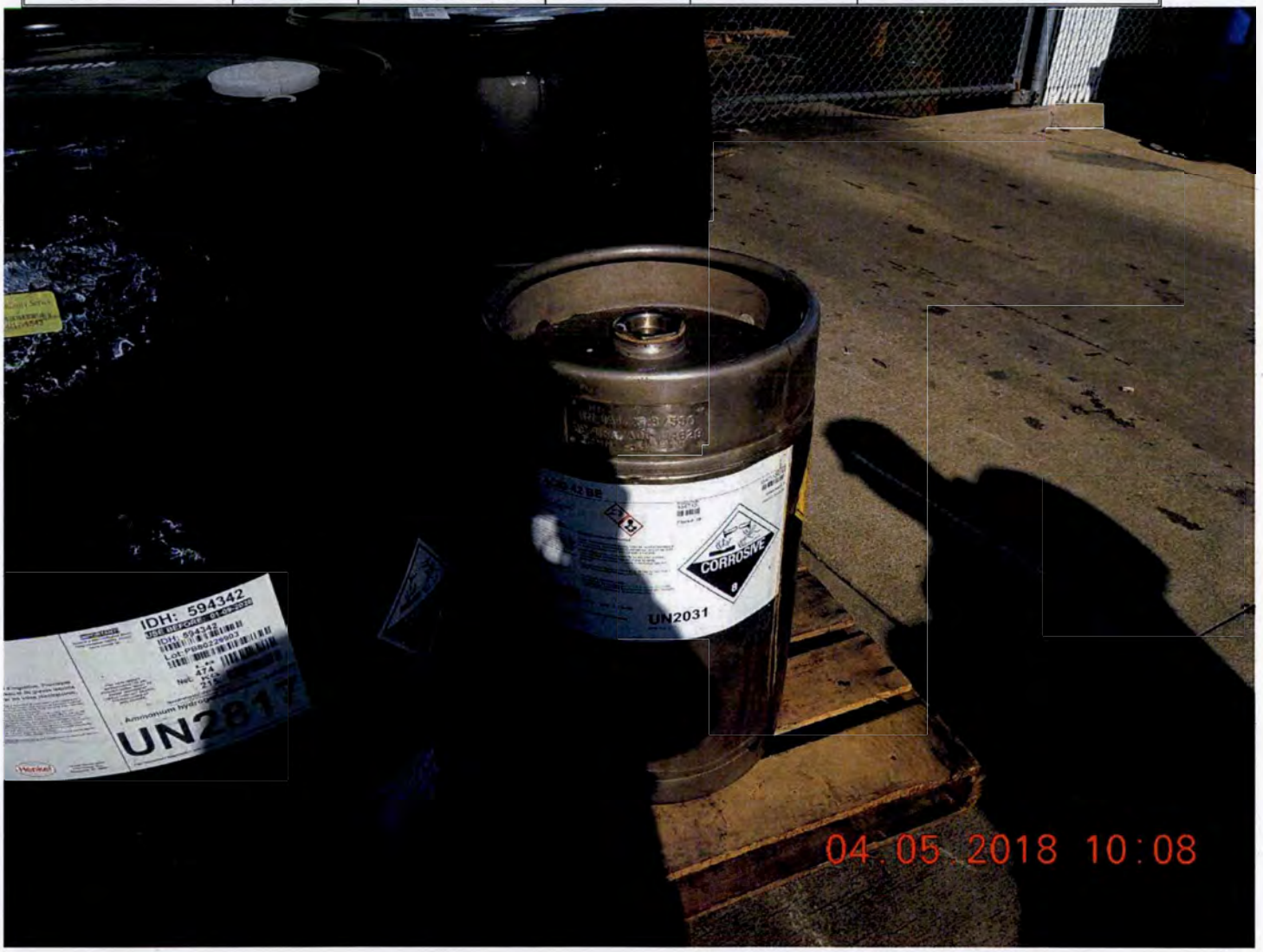
ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Compressed Gas Tube Storage **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:03 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **11**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Empty Tote Storage area **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:06 a.m.**	**DIRECTION** **Southeast**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **12**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Propane Area **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:06 a.m.**	**DIRECTION** **South**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **13**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Deoxidizer HX-357 Tote (Outside of Plant #2)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 10:07 a.m.	DIRECTION West	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 14

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Nitric Acid 42 BE (Outside of Plant #2)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER Xiaomi Zhang			WITNESSES James Entzminger/Robert Mayhugh		
DATE April 05, 2018	TIME 10:08 a.m.	DIRECTION West	CAMERA Nikon	FILM Digital	PHOTOGRAPH NO. 15



ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Acetone (x4) **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:09 a.m.**	**DIRECTION** **West**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **16**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Hydrochloric Acid 20 BE (empty, x4) **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:11 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **17**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Powered Equipment **(Outside of Plant #2)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:13 a.m.**	**DIRECTION** **South**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **18**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Alkaline Cleaner (x2), coating (x3), Acid Deoxidizer (x3) **(Final Inspection Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:18 a.m.**	**DIRECTION** **South**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **19**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Electric Wielder **(Final Inspection Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:22 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **20**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Hydraulic Oil **(Final Inspection Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:23 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **21**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Acid Deoxidizer I **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:28 a.m.**	**DIRECTION** **West**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **22**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Paint (x 30) I **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:31 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **23**

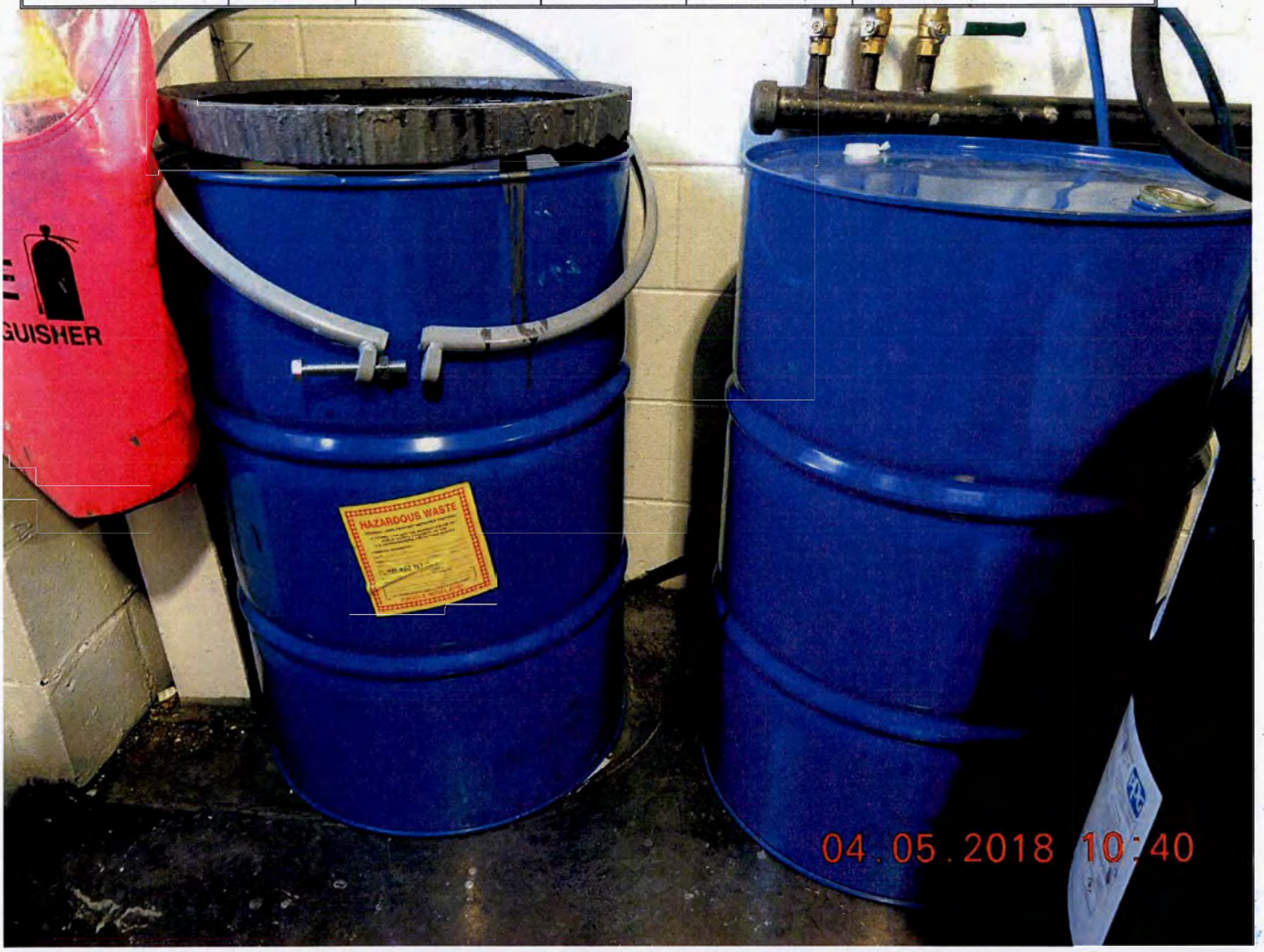
ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Paint **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:32 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **24**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: More paint (x20) **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:33 a.m.**	**DIRECTION** **Northwest**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **25**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Thinner (Cleaning, x2) **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:36 a.m.**	**DIRECTION** **South**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **26**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Battery Powered forklift **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:36 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **27**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Hazardous Waste (W/O date, corrected) **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:40 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **28**



ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Isopropyl Alcohol (99%, x2) **(Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:43 a.m.**	**DIRECTION** **West**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **29**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Blasocut and Hought 419R (x14), Sapphire Clean 1227 **(Outside of Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:46 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **30**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Lube Oil barrels (x6) **(Outside of Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:50 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **31**

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Yamark HF-880A **(Outside of Paint Building)**					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **10:55 a.m.**	**DIRECTION** **North**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **32**

ATTACHMENT # 6

PHOTOGRAPHS

SUBJECT: Tech Cool 35075B Totes (x3) **(Plant #1)**

FACILITY: Enkei America Incorporated, Columbus, Indiana

PHOTOGRAPHER	WITNESSES
Xiaomi Zhang	James Entzminger/Robert Mayhugh

DATE	TIME	DIRECTION	CAMERA	FILM	PHOTOGRAPH NO.
April 05, 2018	11:04 a.m.	South	Nikon	Digital	33

ATTACHMENT # 6 PHOTOGRAPHS					
SUBJECT: Chemical Cabin including Sulfuric Acid (Fatigue Lab)					
FACILITY: Enkei America Incorporated, Columbus, Indiana					
PHOTOGRAPHER **Xiaomi Zhang**			**WITNESSES** **James Entzminger/Robert Mayhugh**		
DATE **April 05, 2018**	**TIME** **11:13 a.m.**	**DIRECTION** **East**	**CAMERA** **Nikon**	**FILM** **Digital**	**PHOTOGRAPH NO.** **34**

Attachment 7

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2017 to December 31, 2017

☐ **Annual** ☐ **Update** ☑ **Revised** ☐ **Facility Information has changed from the last submission**

Facility Identification

Facility ID:	14788	LEPC:	Bartholomew County LEPC
Facility Name:	Enkei America Incorporated	Lat/Long:	39.136124/-85.955721
Company Name:	Enkei America	Maximum Occupants:	300
Physical Location:	2900 W Inwood Dr, Columbus, IN 47201-9758	Nature of Business:	Private
County:	Bartholomew	NAICS Code:	331524
Fire Department:	COLUMBUS FD	SIC Code:	3365
Phone:	812-373-7001	Dun and Brad No:	155379534
☑ Manned ☐ Unmanned		EIN ID(Tax Number):	
FTE:	679		

Subject to EPCRA Section 312 (Annual Inventory)? ☑ Yes ☐ No

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? ☐ Yes ☑ No

Subject to Section 112r of Clean Air Act (CAA)? ☐ Yes ☑ No

RMP Facility ID:

Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)? ☑ Yes ☐ No

TRI Facility ID: 47201NKMRC2900W

Owner/Operator Details

Name: Enkei America
Address: 2900 W Inwood Dr
Columbus, IN 47201-9758, United States
Phone: 812-373-7001 x 1552 Email: jjones@enkeiamerica.com

Parent Company Details

Name:
Dun and Brad No:
Address: IN , United States
Phone: Email:

Tier II Information Contact

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Mailing Address

Company Name: Enkei America
Attention:
Street Address 1: 2900 W Inwood Dr
Street Address 2:
City: Columbus State: IN
Zip: 47201-9758 Phone: 812-373-7001
Country: United States

Facility Emergency Planning Coordinator

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Emergency Contacts

Name	Title	Phone	24 Hr.Phone	Email
Jason Jones	Environmental Manager	812-373-7001 x 1552	812-350-3534	jjones@enkeiamerica.com
Bill Kreig	Env. Coordinator	812-373-7001	812-371-3016	bkreig@enkeiamerica.com

Certification and Attestation: I certify under penalty of law that I have personally examined and am familiar with the information and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. The undersigned attests, subject to the penalties for perjury, that the undersigned is the Owner or Operator of this facility, or that the undersigned is the properly authorized representative, agent, member or officer of the Owner or Operator. I agree, and it is my intent, to sign this Tier II emergency and hazardous chemical inventory form ("Tier II Report") by accessing the Indiana Emergency Response Commission Online Tier II Manager™ portal using the secure password assigned to me and by electronically submitting this Tier II Report to the Indiana Emergency Response Commission. I understand that my submission of this Tier II Report in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Tier II Report and the above Certification and Attestation.

Jason Jones,Environmental Manager	2/20/2018 4:05:48 PM	812-373-7001 x 1552	Jason Jones
Name and official title of owner/operator or authorized representative	Date Signed	Telephone Number	Signature

Optional Attachments

- ☑ Site Plan
- ☐ Site Coordinate Abbreviations
- ☐ Other Safeguard measures
- ☐ Facility Emergency Response Plan

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131828 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** **N/A** Trade Secret: ☐ **Chemical Name:** **Alodine** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☑ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 11067 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 7942 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 2170 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		2387
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		8680

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131821 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7429-90-5** Trade Secret: ☐ **Chemical Name: Aluminum** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☑ Mix ☑ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☑ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☑ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory

Max Daily Amt (lbs): 2113572

Max Daily Amt Code: 12

Avg Daily Amt (lbs): 1125901

Avg Daily Amt Code: 12

Max Amt in Largest Container (lbs): 551155

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc:	[1]Ambient pressure	[4]Ambient temperature	MELT AREA		
[R]Other Desc:	[1]Ambient pressure	[5]Greater than ambient temperature	MOLTEN FURNACE		

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131822 Check if Chemical Information is changed from the last submission: ☐ **CAS #: 7440-37-1** Trade Secret: ☐ **Chemical Name: Argon** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☑ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☐ Respiratory or skin sensitization ☐ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory

Max Daily Amt (lbs): 37368

Max Daily Amt Code: 07

Avg Daily Amt (lbs): 29894

Avg Daily Amt Code: 07

Max Amt in Largest Container (lbs): 23352

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK NE MAP BLDG.		14016
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK EAST		23352

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131823 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Coolant EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☐ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 111575 Max Daily Amt Code: 10 Avg Daily Amt (lbs): 55788 Avg Daily Amt Code: 08 Max Amt in Largest Container (lbs): 13761 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc:	[1]Ambient pressure	[4]Ambient temperature	COOLANT TANK		2310
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	EXTERIOR AST E SIDE		109265

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131829 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Deoxidizer EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground. ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☑ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory

Max Daily Amt (lbs): 17469

Max Daily Amt Code: 06

Avg Daily Amt (lbs): 14031

Avg Daily Amt Code: 06

Max Amt in Largest Container (lbs): 2818

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		6199
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		11270

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131826 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** **N/A** Trade Secret: ☐ **Chemical Name:** **Houghto-Safe 419R** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☑ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☐ Respiratory or skin sensitization ☐ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 33777 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 31525 Avg Daily Amt Code: 07 Max Amt in Largest Container (lbs): 27022 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc:	[1]Ambient pressure	[4]Ambient temperature	THROUGHOUT MFG PLANT		27022
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OIL ROOM		6755

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131825 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Powder Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☑ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☑ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 36000 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 14175 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 660 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		36000

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131830 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** **Sapphire Clean 1222** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☐ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☑ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory

Max Daily Amt (lbs): 12518

Max Daily Amt Code: 06

Avg Daily Amt (lbs): 12518

Avg Daily Amt Code: 06

Max Amt in Largest Container (lbs): 2086

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OUTSIDE OIL ROOM		12518

MIXTURE COMPONENTS

Chemical Name	%	CAS #	EHS	EHS Name	Max Daily Amount (lbs)	Max Daily Amount Code
	0		☐		0	01

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131824 Check if Chemical Information is changed from the last submission: ☐ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sodium Chloride EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☐ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☐ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☐ Skin corrosion or irritation ☐ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 29400 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 5000 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 50 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[J]Bag	[1]Ambient pressure	[4]Ambient temperature	PAINT BLDG		29400

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 131827 Check if Chemical Information is changed from the last submission: ☐ **CAS #: 7664-93-9** Trade Secret: ☐ **Chemical Name: Sulfuric acid** EHS: ☑ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: Sulfuric acid (aerosol forms only) ☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Combustible dust ☑ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	☑ Acute toxicity (any route of exposure) ☐ Aspiration hazard ☐ Carcinogenicity ☐ Germ cell mutagenicity ☐ Hazard Not Otherwise Classified (HNOC) ☑ Reproductive toxicity ☑ Respiratory or skin sensitization ☑ Serious eye damage or eye irritation ☐ Simple asphyxiant ☑ Skin corrosion or irritation ☑ Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 511 Max Daily Amt Code: 03 Avg Daily Amt (lbs): 507 Avg Daily Amt Code: 03 Max Amt in Largest Container (lbs): 28.8 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[M]Glass bottles or jugs	[1]Ambient pressure	[4]Ambient temperature	LAB		12
[R]Other Desc:	[1]Ambient pressure	[4]Ambient temperature	BATTERIES THROUGHOUT PLANT		499

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2017 to December 31, 2017

Chemical Amount Range Code & Description		
#	**Code**	**Amount Range**
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2016 to December 31, 2016

☐ **Annual** ☐ **Update** ☑ **Revised** ☑ **Facility Information has changed from the last submission**

Facility Identification

Facility ID:	14788	LEPC:	Bartholomew County LEPC
Facility Name:	Enkei America Incorporated	Lat/Long:	39.136124/-85.955721
Company Name:	Enkei America	Maximum Occupants:	300
Physical Location:	2900 W Inwood Dr, Columbus, IN 47201-9758	Nature of Business:	Private
County:	Bartholomew	NAICS Code:	331524
Fire Department:	COLUMBUS FD	SIC Code:	3365
Phone:	812-373-7001	Dun and Brad No:	155379534
☑ Manned ☐ Unmanned		EIN ID(Tax Number):	
FTE:			

Subject to EPCRA Section 312 (Annual Inventory)? ☑ Yes ☐ No

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? ☐ Yes ☑ No

Subject to Section 112r of Clean Air Act (CAA)? ☐ Yes ☑ No

RMP Facility ID:

Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)? ☑ Yes ☐ No

TRI Facility ID: 47201NKMRC2900W

Owner/Operator Details

Name: Enkei America
Address: 2900 W Inwood Dr
Columbus, IN 47201-9758, United States
Phone: 812-373-7001 x 1552 Email: jjones@enkeiamerica.com

Parent Company Details

Name:
Dun and Brad No:
Address: IN , United States
Phone: Email:

Tier II Information Contact

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Mailing Address

Company Name: Enkei America
Attention:
Street Address 1: 2900 W Inwood Dr
Street Address 2:
City: Columbus State: IN
Zip: 47201-9758 Phone: 812-373-7001
Country: United States

Facility Emergency Planning Coordinator

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Emergency Contacts

Name	Title	Phone	24 Hr.Phone	Email
Jason Jones	Environmental Manager	812-373-7001 x 1552	812-350-3534	jjones@enkeiamerica.com
Bill Kreig	Env. Coordinator	812-373-7001	812-371-3016	bkreig@enkeiamerica.com

Certification and Attestation: I certify under penalty of law that I have personally examined and am familiar with the information and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. The undersigned attests, subject to the penalties for perjury, that the undersigned is the Owner or Operator of this facility, or that the undersigned is the properly authorized representative, agent, member or officer of the Owner or Operator. I agree, and it is my intent, to sign this Tier II emergency and hazardous chemical inventory form ("Tier II Report") by accessing the Indiana Emergency Response Commission Online Tier II Manager™ portal using the secure password assigned to me and by electronically submitting this Tier II Report to the Indiana Emergency Response Commission. I understand that my submission of this Tier II Report in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Tier II Report and the above Certification and Attestation.

Jason Jones,Environmental Manager	3/9/2018 4:50:45 PM	812-373-7001 x 1552	Jason Jones
Name and official title of owner/operator or authorized representative	Date Signed	Telephone Number	Signature

Optional Attachments

- ☑ Site Plan
- ☐ Site Coordinate Abbreviations
- ☐ Other Safeguard measures
- ☐ Facility Emergency Response Plan

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142488 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Alodine EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 11067 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 7942 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 2818 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		8680
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		2387

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description

Chemical ID: 142480

Check if Chemical Information is changed from the last submission: ☑

CAS #: 7429-90-5

Trade Secret: ☐

Chemical Name: Aluminum

EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐

EHS Name:

☑ Pure ☑ Mix ☑ Solid ☑ Liquid ☐ Gas

Chemical Added On: Exceed TPQ On:

If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐

Physical and Health Hazards

☑ Fire

☑ Pressure

☐ Reactivity

☑ Immediate (Acute)

☑ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 1351213

Max Daily Amt Code: 12

Avg Daily Amt (lbs): 630963

Avg Daily Amt Code: 11

Max Amt in Largest Container (lbs): 551155

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc: Furnace	[1]Ambient pressure	[4]Ambient temperature	MELT AREA		551155
[R]Other Desc: Ingot	[1]Ambient pressure	[5]Greater than ambient temperature	MOLTEN FURNACE		800060

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142481 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7440-37-1** Trade Secret: ☐ **Chemical Name: Argon** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☑ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 37368

Max Daily Amt Code: 07

Avg Daily Amt (lbs): 29894

Avg Daily Amt Code: 07

Max Amt in Largest Container (lbs): 23352

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK EAST		23352
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK NE MAP BLDG.		14016

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142482 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Coolant EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 111575 Max Daily Amt Code: 10 Avg Daily Amt (lbs): 55788 Avg Daily Amt Code: 08 Max Amt in Largest Container (lbs): 13761 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	EXTERIOR AST E SIDE		109265
[R]Other Desc: Storage Pit	[1]Ambient pressure	[4]Ambient temperature	COOLANT TANK		2310

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142491 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Deoxidizer EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 17469

Max Daily Amt Code: 06

Avg Daily Amt (lbs): 14031

Avg Daily Amt Code: 06

Max Amt in Largest Container (lbs): 2818

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		11270
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		6199

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description

Chemical ID: 142487

Check if Chemical Information is changed from the last submission: ☑

CAS #: N/A

Trade Secret: ☐

Chemical Name: Houghto-Safe 419R

EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐

EHS Name:

☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas

Chemical Added On: Exceed TPQ On:

If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐

Physical and Health Hazards

☐ Fire

☐ Pressure

☐ Reactivity

☑ Immediate (Acute)

☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 33777

Max Daily Amt Code: 07

Avg Daily Amt (lbs): 31525

Avg Daily Amt Code: 07

Max Amt in Largest Container (lbs): 3000

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OIL ROOM		6755
[R]Other Desc: EQUIPMENT RESERVOIR	[1]Ambient pressure	[4]Ambient temperature	THROUGHOUT MFG PLANT		27022

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142484 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Liquid Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 19360 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 16720 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2086 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description

Chemical ID: 142485

Check if Chemical Information is changed from the last submission: ☑

CAS #: N/A

Trade Secret: ☐

Chemical Name: Powder Paint

EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐

EHS Name:

☐ Pure ☑ Mix ☑ Solid ☐ Liquid ☐ Gas

Chemical Added On: Exceed TPQ On:

If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐

Physical and Health Hazards

☑ Fire

☐ Pressure

☐ Reactivity

☑ Immediate (Acute)

☑ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 17500

Max Daily Amt Code: 06

Avg Daily Amt (lbs): 14754

Avg Daily Amt Code: 06

Max Amt in Largest Container (lbs): 660

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		17500

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142492 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sapphire Clean 1222 EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 12518 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 12518 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2086 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OUTSIDE OIL ROOM		12518

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Description	Physical and Health Hazards
Chemical ID: 142483 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sodium Chloride EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☑ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 29400 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 5000 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 50 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[J]Bag	[1]Ambient pressure	[4]Ambient temperature	PAINT BLDG		29400

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 31, 2016

Chemical Amount Range Code & Description		
#	**Code**	**Amount Range**
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2015 to December 31, 2015

☐ **Annual** ☐ **Update** ☑ **Revised** ☑ **Facility Information has changed from the last submission**

Facility Identification

Facility ID:	14788	LEPC:	Bartholomew County LEPC
Facility Name:	Enkei America Incorporated	Lat/Long:	39.136124/-85.955721
Company Name:	Enkei America	Maximum Occupants:	300
Physical Location:	2900 W Inwood Dr, Columbus, IN 47201-9758	Nature of Business:	Private
County:	Bartholomew	NAICS Code:	331524
Fire Department:	COLUMBUS FD	SIC Code:	3365
Phone:	812-373-7001	Dun and Brad No:	155379534
☑ Manned ☐ Unmanned		EIN ID(Tax Number):	
FTE:			

Subject to EPCRA Section 312 (Annual Inventory)?	☑ Yes ☐ No
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)?	☐ Yes ☑ No
Subject to Section 112r of Clean Air Act (CAA)?	☐ Yes ☑ No
RMP Facility ID:	
Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)?	☑ Yes ☐ No
TRI Facility ID: 47201NKMRC2900W	

Owner/Operator Details

Name: Enkei America
Address: 2900 W Inwood Dr
Columbus, IN 47201-9758, United States
Phone: 812-373-7001 x 1552 Email: jjones@enkeiamerica.com

Parent Company Details

Name:
Dun and Brad No:
Address: IN , United States
Phone: Email:

Tier II Information Contact

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Mailing Address

Company Name: Enkei America
Attention:
Street Address 1: 2900 W Inwood Dr
Street Address 2:
City: Columbus State: IN
Zip: 47201-9758 Phone: 812-373-7001
Country: United States

Facility Emergency Planning Coordinator

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Emergency Contacts

Name	Title	Phone	24 Hr.Phone	Email
Jason Jones	Environmental Manager	812-373-7001 x 1552	812-350-3534	jjones@enkeiamerica.com
Bill Kreig	Env. Coordinator	812-373-7001	812-371-3016	bkreig@enkeiamerica.com

Certification and Attestation: I certify under penalty of law that I have personally examined and am familiar with the information and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. The undersigned attests, subject to the penalties for perjury, that the undersigned is the Owner or Operator of this facility, or that the undersigned is the properly authorized representative, agent, member or officer of the Owner or Operator. I agree, and it is my intent, to sign this Tier II emergency and hazardous chemical inventory form ("Tier II Report") by accessing the Indiana Emergency Response Commission Online Tier II Manager™ portal using the secure password assigned to me and by electronically submitting this Tier II Report to the Indiana Emergency Response Commission. I understand that my submission of this Tier II Report in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Tier II Report and the above Certification and Attestation.

Jason Jones,Environmental Manager	3/9/2018 5:02:38 PM	812-373-7001 x 1552	Jason Jones
Name and official title of owner/operator or authorized representative	Date Signed	Telephone Number	Signature

Optional Attachments

- ☑ Site Plan
- ☐ Site Coordinate Abbreviations
- ☐ Other Safeguard measures
- ☐ Facility Emergency Response Plan

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142503 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Alodine EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 11067 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 7942 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 2818 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		8680
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		2387

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142493 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7429-90-5** Trade Secret: ☐ **Chemical Name: Aluminum** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☑ Mix ☑ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☑ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 1308223 Max Daily Amt Code: 12 Avg Daily Amt (lbs): 782641 Avg Daily Amt Code: 11 Max Amt in Largest Container (lbs): 551155 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc: Furnace	[1]Ambient pressure	[5]Greater than ambient temperature	MOLTEN FURNACE		551155
[R]Other Desc: Ingot	[1]Ambient pressure	[4]Ambient temperature	MELT AREA		757068

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description

Chemical ID: 142494

Check if Chemical Information is changed from the last submission: ☑

CAS #: 7440-37-1

Trade Secret: ☐

Chemical Name: Argon

EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐

EHS Name:

☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas

Chemical Added On: Exceed TPQ On:

If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐

Physical and Health Hazards

☐ Fire

☑ Pressure

☐ Reactivity

☑ Immediate (Acute)

☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 37368

Max Daily Amt Code: 07

Avg Daily Amt (lbs): 29894

Avg Daily Amt Code: 07

Max Amt in Largest Container (lbs): 23352

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK EAST		23352
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK NE MAP BLDG.		14016

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142495 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Coolant EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 111575

Max Daily Amt Code: 10

Avg Daily Amt (lbs): 55788

Avg Daily Amt Code: 08

Max Amt in Largest Container (lbs): 13761

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	EXTERIOR AST E SIDE		2310
[R]Other Desc: Storage Pit	[1]Ambient pressure	[4]Ambient temperature	COOLANT TANK		109265

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142504 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Deoxidizer EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 17469

Max Daily Amt Code: 06

Avg Daily Amt (lbs): 14031

Avg Daily Amt Code: 06

Max Amt in Largest Container (lbs): 2818

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		11270
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		6199

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description

Chemical ID: 142502

Check if Chemical Information is changed from the last submission: ☑

CAS #: N/A

Trade Secret: ☐

Chemical Name: Houghto-Safe 419R

EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐

EHS Name:

☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas

Chemical Added On: Exceed TPQ On:

If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐

Physical and Health Hazards

☐ Fire

☐ Pressure

☐ Reactivity

☑ Immediate (Acute)

☐ Delayed (Chronic)

Inventory

Max Daily Amt (lbs): 33777

Max Daily Amt Code: 07

Avg Daily Amt (lbs): 31525

Avg Daily Amt Code: 07

Max Amt in Largest Container (lbs): 3000

No of days onsite: 365

Storage Codes & Location

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OIL ROOM		6755
[R]Other Desc: EQUIPMENT RESERVOIR	[1]Ambient pressure	[4]Ambient temperature	THROUGHOUT MFG PLANT		27022

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142497 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Liquid Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 21560 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 18040 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2086 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142498 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Powder Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 19000 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 11712 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 660 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		19000

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142505 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sapphire Clean 1222 EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 12518 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 12518 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2086 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OUTSIDE OIL ROOM		12518

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Description	Physical and Health Hazards
Chemical ID: 142496 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sodium Chloride EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☑ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 29400 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 5000 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 50 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[C]Tank inside building	[1]Ambient pressure	[4]Ambient temperature	E SIDE OF PAINT		29400

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2015 to December 31, 2015

Chemical Amount Range Code & Description		
#	**Code**	**Amount Range**
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2014 to December 31, 2014

☐ **Annual** ☐ **Update** ☑ **Revised** ☑ **Facility Information has changed from the last submission**

Facility Identification

Facility ID:	14788	LEPC:	Bartholomew County LEPC
Facility Name:	Enkei America Incorporated	Lat/Long:	39.136124/-85.955721
Company Name:	Enkei America	Maximum Occupants:	300
Physical Location:	2900 W Inwood Dr, Columbus, IN 47201-9758	Nature of Business:	Private
County:	Bartholomew	NAICS Code:	331524
Fire Department:	COLUMBUS FD	SIC Code:	3365
Phone:	812-373-7001	Dun and Brad No:	155379534
☑ Manned ☐ Unmanned		EIN ID(Tax Number):	
FTE:			

Subject to EPCRA Section 312 (Annual Inventory)? ☑ Yes ☐ No

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? ☐ Yes ☑ No

Subject to Section 112r of Clean Air Act (CAA)? ☐ Yes ☑ No

RMP Facility ID:

Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)? ☑ Yes ☐ No

TRI Facility ID: 47201NKMRC2900W

Owner/Operator Details

Name: Enkei America
Address: 2900 W Inwood Dr
Columbus, IN 47201-9758, United States
Phone: 812-373-7001 x 1552 Email: jjones@enkeiamerica.com

Parent Company Details

Name:
Dun and Brad No:
Address: IN , United States
Phone: Email:

Tier II Information Contact

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Mailing Address

Company Name: Enkei America
Attention:
Street Address 1: 2900 W Inwood Dr
Street Address 2:
City: Columbus State: IN
Zip: 47201-9758 Phone: 812-373-7001
Country: United States

Facility Emergency Planning Coordinator

Name: Jason Jones
Title: Environmental Manager
Phone: 812-373-7001 x 1552 24 Hr.Phone: 812-350-3534
Email: jjones@enkeiamerica.com

Emergency Contacts

Name	Title	Phone	24 Hr.Phone	Email
Jason Jones	Environmental Manager	812-373-7001 x 1552	812-350-3534	jjones@enkeiamerica.com
Bill Kreig	Env. Coordinator	812-373-7001	812-371-3016	bkreig@enkeiamerica.com

Certification and Attestation: I certify under penalty of law that I have personally examined and am familiar with the information and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. The undersigned attests, subject to the penalties for perjury, that the undersigned is the Owner or Operator of this facility, or that the undersigned is the properly authorized representative, agent, member or officer of the Owner or Operator. I agree, and it is my intent, to sign this Tier II emergency and hazardous chemical inventory form ("Tier II Report") by accessing the Indiana Emergency Response Commission Online Tier II Manager™ portal using the secure password assigned to me and by electronically submitting this Tier II Report to the Indiana Emergency Response Commission. I understand that my submission of this Tier II Report in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Tier II Report and the above Certification and Attestation.

Jason Jones,Environmental Manager	3/12/2018 11:01:44 AM	812-373-7001 x 1552	Jason Jones
Name and official title of owner/operator or authorized representative	Date Signed	Telephone Number	Signature

Optional Attachments

- ☑ Site Plan
- ☐ Site Coordinate Abbreviations
- ☐ Other Safeguard measures
- ☐ Facility Emergency Response Plan

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142516 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** **N/A** Trade Secret: ☐ **Chemical Name:** Alodine EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 11067 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 7942 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 2818 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		8680
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		2387

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142506 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7429-90-5** Trade Secret: ☐ **Chemical Name: Aluminum** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☑ Mix ☑ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☑ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 1293893 Max Daily Amt Code: 12 Avg Daily Amt (lbs): 861567 Avg Daily Amt Code: 11 Max Amt in Largest Container (lbs): 551155 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[R]Other Desc: Ingot	[1]Ambient pressure	[4]Ambient temperature	MELT AREA		742738
[R]Other Desc: Furnace	[1]Ambient pressure	[5]Greater than ambient temperature	MOLTEN FURNACE		551155

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142507 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7440-37-1** Trade Secret: ☐ **Chemical Name: Argon** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☑ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 37368 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 29894 Avg Daily Amt Code: 07 Max Amt in Largest Container (lbs): No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK EAST		23352
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK NE MAP BLDG.		14016

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142508 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Coolant EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 111575 Max Daily Amt Code: 10 Avg Daily Amt (lbs): 55788 Avg Daily Amt Code: 08 Max Amt in Largest Container (lbs): 13761 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	EXTERIOR AST E SIDE		109265
[R]Other Desc: Storage Pit	[1]Ambient pressure	[4]Ambient temperature	COOLANT TANK		2310

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142518 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Deoxidizer EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 17469 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 14031 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2818 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		11270
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		6199

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142515 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Houghto-Safe 419R EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 33777 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 31525 Avg Daily Amt Code: 07 Max Amt in Largest Container (lbs): 3000 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OIL ROOM		6755
[R]Other Desc: EQUIPMENT RESERVOIR	[1]Ambient pressure	[4]Ambient temperature	THROUGHOUT MFG PLANT		27022

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142510 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Liquid Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 15499 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 13640 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142511 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Powder Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☑ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 17500 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 14754 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 660 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		17500

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142519 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sapphire Clean 1222 EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 12518 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 12518 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): 2086 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	OUTSIDE OIL ROOM		12518

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Description	Physical and Health Hazards
Chemical ID: 142509 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Sodium Chloride EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☑ Reactivity ☑ Immediate (Acute) ☐ Delayed (Chronic)

Inventory	Storage Codes & Location
Max Daily Amt (lbs): 29400 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 5000 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 5000 No of days onsite: 365	

Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
[J]Bag	[1]Ambient pressure	[4]Ambient temperature	PAINT BLDG		29400

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2014 to December 31, 2014

Chemical Amount Range Code & Description		
#	**Code**	**Amount Range**
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million

Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2016 to December 30, 2016

☑ Annual ☐ Update ☐ Revised ☑ Facility Information has changed from the last submission

Facility Identification

Facility ID:	14788	LEPC:	Bartholomew County LEPC
Facility Name:	Enkei America Incorporated	Lat/Long:	39.136124/-85.955721
Company Name:	Enkei America	Maximum Occupants:	300
Physical Location:	2900 W Inwood Dr, Columbus, IN 47201-9758	Nature of Business:	Private
County:	Bartholomew	NAICS Code:	331524
Fire Department:	COLUMBUS FD	SIC Code:	3365
Phone:	812-373-7001	Dun and Brad No:	155379534
☑ Manned ☐ Unmanned		EIN ID(Tax Number):	
FTE:			

Subject to EPCRA Section 312 (Annual Inventory)? ☑ Yes ☐ No

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? ☐ Yes ☑ No

Subject to Section 112r of Clean Air Act (CAA)? ☐ Yes ☑ No

RMP Facility ID:

Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)? ☑ Yes ☐ No

TRI Facility ID: 47201NKMRC2900W

Owner/Operator Details

Name: Enkei America
Address: 2900 W Inwood Dr
Columbus, IN 47201-9758, United States
Phone: 812-373-7001 x 1506 Email: rthompson@enkeiamerica.com

Parent Company Details

Name:
Dun and Brad No:
Address: IN , United States
Phone: Email:

Tier II Information Contact

Name: Ron Thompson
Title: General Manager, EHS, Legal Compliance
Phone: 812-373-7001 x 1560 24 Hr.Phone: 317-590-9786
Email: rthompson@enkeiamerica.com

Mailing Address

Company Name: Enkei America
Attention:
Street Address 1: 2900 W Inwood Dr
Street Address 2:
City: Columbus State: IN
Zip: 47201-9758 Phone: 812-373-7001
Country: United States

Facility Emergency Planning Coordinator

Name: Ron Thompson
Title: General Manager, EHS, Legal Compliance
Phone: 812-373-7001 x 1560 24 Hr.Phone: 317-590-9786
Email: rthompson@enkeiamerica.com

Emergency Contacts

Name	Title	Phone	24 Hr.Phone	Email
Ron Thompson	General Manager, EHS, Legal Compliance	812-373-7001 x 1560	317-590-9786	rthompson@enkeiamerica.com
Bill Kreig	Safety & Env. Coordinator	812-373-7001	812-373-7001	bkreig@enkeiamerica.com

Certification and Attestation: I certify under penalty of law that I have personally examined and am familiar with the information and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. The undersigned attests, subject to the penalties for perjury, that the undersigned is the Owner or Operator of this facility, or that the undersigned is the properly authorized representative, agent, member or officer of the Owner or Operator. I agree, and it is my intent, to sign this Tier II emergency and hazardous chemical inventory form ("Tier II Report") by accessing the Indiana Emergency Response Commission Online Tier II Manager™ portal using the secure password assigned to me and by electronically submitting this Tier II Report to the Indiana Emergency Response Commission. I understand that my submission of this Tier II Report in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Tier II Report and the above Certification and Attestation.

Ron Thompson,General Manager, EHS, Legal Compliance	2/24/2017 7:52:23 AM	812-373-7001 x 1560	Ron Thompson
Name and official title of owner/operator or authorized representative	Date Signed	Telephone Number	Signature

Optional Attachments

- ☑ Site Plan
- ☐ Site Coordinate Abbreviations
- ☐ Other Safeguard measures
- ☐ Facility Emergency Response Plan

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 30, 2016

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86039 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7429-90-5** Trade Secret: ☐ **Chemical Name: Aluminum** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☑ Mix ☑ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☑ Pressure ☐ Reactivity ☑ Immediate ☑ Delayed (Chronic)	Max Daily Amt (lbs) : 866051 Max Daily Amt Code : 11 Avg Daily Amt (lbs) : 866051 Avg Daily Amt Code : 11 Max Amt in Largest Container (lbs) : 551155 No of days onsite : 365

Storage Codes and Location

Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[R]Other Desc:	[1]Ambient pressure	[5]Greater than ambient temperature	MOLTEN FURNACE		/	
[R]Other Desc:	[1]Ambient pressure	[4]Ambient temperature	MELT AREA		/	

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86040 Check if Chemical Information is changed from the last submission: ☑ **CAS #: 7440-37-1** Trade Secret: ☐ **Chemical Name: Argon** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☑ Pressure ☐ Reactivity ☑ Immediate ☐ Delayed (Chronic)	Max Daily Amt (lbs) : 39000 Max Daily Amt Code : 07 Avg Daily Amt (lbs) : 34917 Avg Daily Amt Code : 07 Max Amt in Largest Container (lbs) : 39000 No of days onsite : 365

Storage Codes and Location

Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	EXTERIOR TANK EAST		/	

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 30, 2016

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86041 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Coolant EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate ☑ Delayed (Chronic)	Max Daily Amt (lbs) : 13761 Max Daily Amt Code : 06 Avg Daily Amt (lbs) : 13761 Avg Daily Amt Code : 06 Max Amt in Largest Container (lbs) : 13761 No of days onsite : 365

Storage Codes and Location

Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	EXTERIOR AST E SIDE		/	

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86043 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Liquid Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate ☑ Delayed (Chronic)	Max Daily Amt (lbs) : 29000 Max Daily Amt Code : 07 Avg Daily Amt (lbs) : 9747 Avg Daily Amt Code : 05 Max Amt in Largest Container (lbs) : 2086 No of days onsite : 365

Storage Codes and Location

Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		/	
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		/	

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 30, 2016

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86044 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Powder Paint EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☑ Fire ☐ Pressure ☐ Reactivity ☑ Immediate ☑ Delayed (Chronic)	Max Daily Amt (lbs) : 36000 Max Daily Amt Code : 07 Avg Daily Amt (lbs) : 14175 Avg Daily Amt Code : 06 Max Amt in Largest Container (lbs) : 660 No of days onsite : 365

Storage Codes and Location						
Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[E]Plastic or nonmetallic drum	[1]Ambient pressure	[4]Ambient temperature	PAINT DEPT STORAGE AREA		/	

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86045 Check if Chemical Information is changed from the last submission: ☑ **CAS #:** N/A Trade Secret: ☐ **Chemical Name:** Ridoline EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☐ Reactivity ☑ Immediate ☐ Delayed (Chronic)	Max Daily Amt (lbs) : 20250 Max Daily Amt Code : 06 Avg Daily Amt (lbs) : 16551 Avg Daily Amt Code : 06 Max Amt in Largest Container (lbs) : 2086 No of days onsite : 365

Storage Codes and Location						
Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[O]Tote bin	[1]Ambient pressure	[4]Ambient temperature	Paint Department		/	

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Enkei America Incorporated Facility ID: 14788

Reporting Period From January 1, 2016 to December 30, 2016

Chemical Description	Physical and Health Hazards	Inventory
Chemical ID: 86042 Check if Chemical Information is changed from the last submission: ☑ **CAS #: N/A** Trade Secret: ☐ **Chemical Name: Sodium Chloride** EHS: ☐ Contains EHS: ☐ Exceeds TPQ: ☐ EHS Name: ☑ Pure ☐ Mix ☑ Solid ☐ Liquid ☐ Gas Chemical Added On: Exceed TPQ On: If a retail gas station, check if you are storing less than 75,000 gallons of gasoline or 100,000 gallons of diesel entirely underground: ☐	☐ Fire ☐ Pressure ☑ Reactivity ☑ Immediate ☐ Delayed (Chronic)	Max Daily Amt (lbs) : 29400 Max Daily Amt Code : 07 Avg Daily Amt (lbs) : 5000 Avg Daily Amt Code : 05 Max Amt in Largest Container (lbs) : 50 No of days onsite : 365

Storage Codes and Location

Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
[C]Tank inside building	[1]Ambient pressure	[4]Ambient temperature	E SIDE OF PAINT		/	
[J]Bag	[1]Ambient pressure	[4]Ambient temperature	PRINT BLDG		/	

Chemical Amount Range Code & Description

#	Code	Amount Range
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million

15135

SAFETY DATA SHEET

HOUGHTON

Revision Date: 09-08-2015

Version 2

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s): 01419300-M
Product Name HOUGHTO-SAFE 419-R

Recommended use Fire-resistant hydraulic fluid
Uses advised against Any other purpose.

MSDS - Safety Department
Department/Location
I.D. Number/Code
Revised

Manufacturer, Importer, Supplier

Houghton International Inc.
Madison & Van Buren Aves.
Valley Forge, PA 19482
Telephone: 610-666-4000 FAX: 610-666-1376
Website: www.houghtonintl.com
Customer Service: 888-459-9844

Houghton Canada
915 Meyerside Drive
Mississauga
ON LST 1R8

MSDS Document Review
Review Date: 3/16/17
Reviewed By: M. Chandler
Safety Department

Emergency telephone number

3E Company 1-866-519-4752 (USA, Canada, Mexico)
Company Access Code: 333938

SECTION 2: HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Specific target organ toxicity (repeated exposure)	Category 2

GHS Label elements, including precautionary statements

Signal Word
Warning

Hazard Statements
May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Precautionary Statements - Prevention
Do not breathe dust/fume/gas/mist/vapors/spray

Attachment 11

Precautionary Statements - Response
Get medical advice/attention if you feel unwell
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients.

Chemical Name	CAS-No	Weight %
2,2'-Oxydiethanol	111-46-6	25% - 60%
Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	9038-95-3	0% - 1%

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

General advice Do not breathe dust/fume/gas/mist/vapors/spray. When symptoms persist or in all cases of doubt seek medical advice. Do not get in eyes, on skin, or on clothing.

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Eye contact Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Ingestion Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

Protection of First-aiders Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.2. Most important symptoms and effects, both acute and delayed

Main Symptoms Gastrointestinal discomfort

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment:, Use CO2, dry chemical, or foam, Water spray or fog

Extinguishing media which shall not be used for safety reasons

None

5.2. Special hazards arising from the substance or mixture

Special Hazard
Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Decomposition Products
None under normal use

5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing.

Advice for non-emergency personnel Material can create slippery conditions.

Advice for emergency responders For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

After cleaning, flush away traces with water.

6.4. Reference to other sections

See Section 8/12/13 for additional information

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Keep container tightly closed in a dry and well-ventilated place.

Recommended Shelf Life
No information available.

Incompatible Materials
Strong oxidizing agents, Strong acids, Strong bases

7.3. Specific end uses

Specific use(s) Fire-resistant hydraulic fluid

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
2,2'-Oxydiethanol 111-46-6				TWA: 10 mg/m³

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Wear protective gloves/clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state @20°C liquid
Odor amine-like
Appearance clear Red
Odor Threshold Not Applicable

Property	Values	Note
pH	9.5	
Melting Point / Freezing Point	No information available	
Boiling point/boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.0800	@15.5°C
Solubility(ies)	Soluble in water	

Partition coefficient: n-octanol/water	Not Applicable
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Explosive properties	Not Applicable
Oxidizing Properties	Not Applicable

9.2 Other information

Viscosity, kinematic (100°C)	No information available	
Pour point	= -36 °C / = -33 °F	ASTM D 97
VOC Content (ASTM E-1868-10)	115 g/L	ASTM E 1868-10
VOC Content	No information available	

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None under normal use conditions

10.4. Conditions to avoid

Do not freeze

10.5. Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases

10.6. Hazardous decomposition products

None under normal use conditions

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	Ingestion constitutes the main danger because of the toxicity of ethylene glycol. May cause adverse liver effects. May cause adverse kidney effects.

Component Information

Chemical Name	LD50 Oral (Rat)	LD50 Dermal (Rat/Rabbit)	LC50 Inhalation
2,2'-Oxydiethanol 111-46-6	12565 mg/kg (Rat)	= 11890 mg/kg (Rabbit)	
Oxirane, 2-methyl-, polymer with oxirane, monobutyl ether	12300 µL/kg (Rat)	> 20 mL/kg (Rabbit)	

9038-95-3			

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization None known.

Germ Cell Mutagenicity None known.

Carcinogenicity None known.

Reproductive toxicity None known.

Specific target organ systemic toxicity (single exposure) None known.

Specific target organ systemic toxicity (repeated exposure) May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if swallowed. Ingestion constitutes the main danger because of the toxicity of ethylene glycol.

Aspiration hazard None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No special environmental measures are necessary

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
2,2'-Oxydiethanol	1000: 72 h Skeletonema costatum mg/L EC50	75200: 96 h Pimephales promelas mg/L LC50 flow-through		84000: 48 h Daphnia magna mg/L EC50

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Chemical Name	log Pow
2,2'-Oxydiethanol 111-46-6	-1.98

Mobility
Will likely be mobile in the environment due to its water solubility.

Other adverse effects No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Observe all label precautions until container is cleaned, reconditioned or destroyed.

SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO/IATA	Not regulated
IMDG/IMO	Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
AICS	Does not Comply
PICCS	Does not Comply
KECL	Does not Comply
IECSC	Complies
ENCS	Does not Comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
AICS - Australian Inventory of Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
ENCS - Japan Existing and New Chemical Substances

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	Yes
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

SCAQMD Rule 1144
The sale or distribution in the SCAQM District of California for metal working fluids or direct-contact lubricants is allowed if EITHER the VOC of the product itself OR the VOC of the diluted product at the point of use is less than the following limits: (1) 75 g VOC/L for metal forming, metal removal, metal treating; (2) 50 g VOC/L for metal protection, direct-contact lubricant. The VOC of this product as sold is: 115 gVOC/L (ASTM E-1868-10)

California Proposition 65

This product does not contain any Proposition 65 chemicals.

International Regulations

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D2B Toxic materials

Other information
Not applicable

SECTION 16: OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 1	Instability 0	Physical and chemical hazards -

Key or legend to abbreviations and acronyms used in the safety data sheet
STOT SE - Specific target organ systemic toxicity (Single exposure)
STOT RE - Specific target organ systemic toxicity (repeated exposure)
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
VOC - Volatile organic compounds

Revision Date: 09-08-2015
Revision Note
No information available
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

end

Material Safety Data Sheet

Revision Number: 003.3

Issue date: 09/09/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BONDERITE M-NT 4595 CONVERSION COATING known as ALODINE 4595
Product type: Conversion coating

IDH number: 1695830

Region: United States

Company address:
Henkel Corporation
32100 Stephenson Highway
Madison Heights, MI 48071

Contact information:
Telephone: 248.583.9300
MEDICAL EMERGENCY Phone: Poison Control Center
1-877-671-4608 (toll free) or 1-303-592-1711
TRANSPORT EMERGENCY Phone: CHEMTREC
1-800-424-9300 (toll free) or 1-703-527-3887
Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state:	Liquid	**HEALTH:**	3
Color:	Orange	**FLAMMABILITY:**	0
Odor:	Mild	**PHYSICAL HAZARD:**	0
		Personal Protection:	See MSDS Section 8

DANGER–CORROSIVE!: MAY CAUSE EYE, SKIN AND RESPIRATORY BURNS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Skin contact: This product may cause irritation to the skin. Liquid or vapor can cause fluoride-type irritation or burns which may not be immediately painful or visible. A component in this product may be absorbed through the skin, especially if skin is damaged.

Eye contact: This product is severely irritating to the eyes.

Ingestion: Ingestion of large amounts of this product may result in fluoride poisoning including symptoms of calcification of the ligaments and severe bone changes making normal movements painful, mottling of the teeth, pulmonary fibrosis, anemia, anorexia, dental effects, and possibly death.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
1-Propoxy-2-propanol	1569-01-3	1 - 5
Substituted polyhydroxy benezene derivative, acidic	Proprietary	1 - 5

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

Skin contact:	For skin contact, flush with large amounts of water. Seek immediate medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical treatment necessary.
Ingestion:	Get immediate medical attention. Do not induce vomiting.
Notes to physician:	Treatment of hypocalcemia associated with corrosive fluoride compounds exposure may be corrected by intravenous calcium gluconate or calcium chloride. Treatment of hypomagnesemia may be corrected by intravenous magnesium sulfate.

5. FIRE FIGHTING MEASURES

Flash point:	> 100 °C (> 212°F) ; Aqueous solution
Autoignition temperature:	Not determined
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Extinguishing media:	Use media appropriate for surrounding material.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	This product is an aqueous mixture and although it will exhibit a flash point, it will not support combustion.
Hazardous combustion products:	Irritating and toxic gases or fumes may be released during a fire.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing vapors or mists of this product. Provide adequate ventilation.
Storage:	For safe storage, store between 40 °F (4.4 °C) and 100 °F (37.8 °C) Do not handle or store near an open flame, heat or other sources of ignition. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Protect from freezing.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
1-Propoxy-2-propanol	None	None	None	None
Substituted polyhydroxy benezene derivative, acidic	None	None	None	None

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear chemical goggles.

Skin protection: Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Orange
Odor: Mild
Odor threshold: Not available.
pH: 3
Vapor pressure: Not determined
Boiling point/range: > 100 °C (> 212°F) calculated
Melting point/ range: Not determined
Specific gravity: 1.01 - 1.04
Vapor density: Not determined
Flash point: > 100 °C (> 212°F) ; Aqueous solution
Flammable/Explosive limits - lower: Not determined
Flammable/Explosive limits - upper: Not determined
Autoignition temperature: Not determined
Evaporation rate: Not determined
Solubility in water: Complete
Partition coefficient (n-octanol/water): Not determined
VOC content: 4 % EPA Method 24

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: Will not occur.

Hazardous decomposition products: Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

Incompatible materials: None identified.

Conditions to avoid: Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
1-Propoxy-2-propanol	No	No	No
Substituted polyhydroxy benezene derivative, acidic	No	No	No

Hazardous components	Health Effects/Target Organs
1-Propoxy-2-propanol	Central nervous system, Eyes, Irritant, Kidney
Substituted polyhydroxy benezene derivative, acidic	No Data

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Corrosive liquid, acidic, organic, n.o.s. (Cationic polymer)
Hazard class or division:	8
Identification number:	UN 3265
Packing group:	III

International Air Transportation (ICAO/IATA)

Proper shipping name:	Corrosive liquid, acidic, organic, n.o.s. (Cationic polymer)
Hazard class or division:	8
Identification number:	UN 3265
Packing group:	III

Water Transportation (IMO/IMDG)

Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Cationic polymer)
Hazard class or division:	8
Identification number:	UN 3265
Packing group:	III

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification:	None above reporting de minimus
CERCLA/SARA Section 302 EHS:	None above reporting de minimis
CERCLA/SARA Section 311/312:	Immediate Health
CERCLA/SARA 313:	None above reporting de minimis
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
WHMIS hazard class:	D.2.A, D.2.B, E

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

Prepared by: John DiCerbo, Sr. Regulatory Affairs Specialist

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Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 | Edition number 1 | Reviewed on 12/12/2012

1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Blasocut® BC 935

Article number: 1935-02
Relevant identified uses of the substance or mixture and uses advised against
Application of the substance / the preparation:
For industrial use only
Cooling lubricant / Cutting fluid

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Blaser Swisslube, Inc.
31 Hatfield Lane
Goshen, NY 10924
USA

Information department:
Product safety dept.
sdb@blaser.com
reach@blaser.com
Emergency telephone number: Phone USA: (845) 294-3200

2 Hazards identification

Classification of the substance or mixture
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of international guidelines.
Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

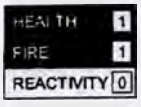
Label elements

Risk phrases:
Irritating to eyes.

Safety phrases:
Avoid contact with eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear eye/face protection.
Classification system:
NFPA ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 1
Fire = 1
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

(Contd. on page 2)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 | Edition number 1 | Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 1)

3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of mineral oil, emulsifiers, stabilizers and inhibitors

Declarable components: CAS no.		
64742-52-5	Mineral oil, severely hydrotreated, naphthenic	50-70%
770-35-4	1-Phenoxypropan-2-ol	5.0-9.9%
68956-41-2	Emulsifier, based on fatty acids with alkanolamines	10-25%
68608-26-4	Sodium petroleum sulfonate	1.0-5.9%
173832-45-6	Alcoxylated ester of polymerized fatty acids	1.0-4.9%

4 First aid measures

Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.
Most important symptoms and effects, both acute and delayed
No further relevant information available.
Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

Extinguishing media
Suitable extinguishing agents:
CO_2, extinguishing powder or water spray. Fight larger fires with water spray.
For safety reasons unsuitable extinguishing agents: Water with full jet
Special hazards arising from the substance or mixture No further relevant information available.
Advice for firefighters
Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling
The product has been classified and marked in accordance with directives on hazardous materials.
Observe the general safety regulations when handling chemicals.

(Contd. on page 3)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 Edition number 1 Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 2)

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility:
Do not store together with oxidizing and acidic materials.
Store away from oxidizing agents.
Further information about storage conditions:
Protect from frost.
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Storage temperature between -94°F and +104°F
Duration of Storage: In closed, original container, at least 24 months.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters
Components with limit values at the workplace:
NIOSH Recommended exposure limit for Metalworking fluids: 0.5mg/m3 (particulate)
OSHA 29 CFR 1910.1000 for oil mist in air: 5 mg/m3
ACGIH: TLV for oil mist in air: 5 mg/m3
Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
Respiratory Protection: Not required.
Material of gloves
Suitable protective gloves: Nitril gloves, minimum thickness of 0.3 mm, e.g. Ultranitril type 491.
Corresponds to the standards DIN/EN 374-2 and 374-3.
Break-trough time of glove material:
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Eye protector with side protection (framed eyeglasses) EN 166
Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties
General Information
Appearance:

Form:	Liquid
Color:	Dark brown
Odor:	Specific type
pH-value:	8.8 - 9.5 @ in 5% H_2O (ASTM D1287)

(Contd. on page 4)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 Edition number 1 Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 3)

Change in condition:	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	> 572°F (> 300°C) ASTM D86
Drip point:	Not applicable
Pour point:	<- 4°F (<- 20°C) ASTM D97
Flash point:	> 266°F (> 130°C) ASTM D92
Ignition temperature:	> 932°F (> 500°C) ASTM E659
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density:	0.95 g/cm³ @ 68°F (20°C) ASTM D1217
Solubility in / Miscibility with Water:	Emulsifiable.
Viscosity:	
Kinematic:	70 mm²/s (cSt) @ 104°F (40°C) ASTM D445
VOC content:	22 g/L (ASTM E1868-10) @ max. conc.
Other information:	safety relevant data, which has to be considered as product specifications.

10 Stability and reactivity

Reactivity None known if used as directed.
Chemical stability Stable under recommended storage conditions.
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Possibility of hazardous reactions Reacts with strong acids and oxidizing agents.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Sulfur oxides (SOx)

11 Toxicological information

Information on toxicological effects
Acute toxicity:
LD/LC50 values that are relevant for classification:
> 2000 - < 5000 mg / kg (oral, rat)
> 5,100 mg/m³ 4h (inhalation, rat)
Primary irritant effect:
on the skin: No irritant effect.
on the eye: Irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

(Contd. on page 5)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 Edition number 1 Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 4)

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes: Do not allow product to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

DOT, ADN, IMDG, IATA	not applicable
DOT, ADN, IMDG, IATA Class	not applicable
Environmental hazards: Marine pollutant:	No
Transport/Additional information:	Not dangerous according to the above specifications.

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

This product does not contain a chemical that are listed in Section 313.

(Contd. on page 6)

Material Safety Data Sheet
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Blaser. SWISSLUBE

Issued on 12/12/2012 Edition number 1 Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 5)

TSCA (Toxic Substances Control Act):
All ingredients are listed.

California Proposition 65

Listed substances:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

California SCAQMD Rule 1144:
Category: Metalworking Fluid – Metal Removal – General. Recordkeeping requirement: Super Compliant.
(< 50 g/L VOC at max use concentration)

National regulations: none
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

RoHS:
This product conforms to the RoHS Directive in that the RoHS regulated materials are absent or their concentrations are significantly below regulatory thresholds.
IP346:
The mineral oil used in this product passes IP346 for DMSO extractable PAH's (Polycyclic aromatic hydrocarbons).

Department issuing MSDS: Product Safety Department
Editor's notice:
The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.
Abbreviations and acronyms:
RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
ISO: International Organization for Standardization

(Contd. on page 7)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Blaser. SWISSLUBE

Issued on 12/12/2012 | Edition number 1 | Reviewed on 12/12/2012

Trade name: Blasocut® BC 935

(Contd. of page 6)

LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
DOT: US Department of Transportation
CAS: Chemical Abstracts Service (division of the American Chemical Society)

*** Data compared to the previous version altered.**

The asterisk (*) on the left side indicate the respective changes from the previous version.

SAFETY DATA SHEET

AkzoNobel

Date of printing : 2016-12-14. **Date of issue** : 2016-12-14.

Section 1. Identification

Prepared for

ATTN:

Prepared by
Akzo Nobel Coatings Inc.
1872 SC-9-BYP W
Lancaster, SC 29720

(803) 285-9401
In case of emergency (Health or Spills):
CHEMTREC (US and Canada) (800) 424-9300

Product no. : 20-9391-507-602
Product - Class : CLEAN-UP THINNER FOR 05-3681 W/B
Customer Part Number :
Customer ShipTo ID :

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Causes serious eye irritation.
Causes skin irritation.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Section 2. Hazards identification

Hazards not otherwise classified : None known.

NOTICE: Reports have associated repeated and prolonged OVEREXPOSURE to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.

Product code : 20-9391-507-602

Ingredient name	%	CAS number
2-butoxyethanol	20.00	111-76-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Section 4. First aid measures

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Section 6. Accidental release measures

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-butoxyethanol	**ACGIH TLV (United States, 3/2012).** TWA: 20 ppm 8 hours. **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** TWA: 25 ppm 8 hours. TWA: 120 mg/m³ 8 hours. **NIOSH REL (United States, 1/2013).** **Absorbed through skin.** TWA: 5 ppm 10 hours. TWA: 24 mg/m³ 10 hours. **OSHA PEL (United States, 6/2010).** **Absorbed through skin.** TWA: 50 ppm 8 hours. TWA: 240 mg/m³ 8 hours.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 8. Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Selection of personal protective equipment (PPE) is to be established by the employer performing a PPE hazard assessment. In the U.S.A, OSHA requires completion of a documented PPE hazard assessment as described in 29 CFR 1910.132.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : 100 - 174 ℃ (212 - 345.2 ℉)

Flash point : Closed cup: 100℃ (212℉) [Product does not sustain combustion.]

Evaporation rate : Less than 1. (2-butoxyethanol) compared with butyl acetate

Lower and upper explosive (flammable) limits : Lower: 1.1% Upper: 10.6%

Vapor pressure : 17.5 mm Hg (2.3275 kPa) (Highest known value: water)

Vapor density : < 1 (Air = 1) (Calculation method)

Section 9. Physical and chemical properties

Volatility : 99.91% (w/w)

Density : 0.979 g/cm³

Solubility : Not available.

Partition coefficient: n-octanol/water : Not available.

Decomposition temperature : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	450 ppm 220 mg/kg 250 mg/kg	4 hours - -

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Section 11. Toxicological information

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Data available upon request.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Section 13. Disposal considerations

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-butoxyethanol	111-76-2	20.00

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

Canada inventory : All components are listed or exempted.

International regulations

Section 15. Regulatory information

International lists : **Australia inventory (AICS)**: All components are listed or exempted.
China inventory (IECSC): Not determined.
Japan inventory: All components are listed or exempted.
Korea inventory: All components are listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

History

Date of printing : 2016-12-14.

Date of issue/Date of revision : 2016-12-14.

Date of previous issue : 2016-09-29.

Version : 1.12

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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EXIDE TECHNOLOGIES

GHS
SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

MANUFACTURER/SUPPLIER
Exide Technologies
13000 Deerfield Parkway, Bldg. 200
Milton, GA 30004

FOR FURTHER INFORMATION
Primary Contact:
Exide SDS Support (770) 421-3485
Secondary Contact:
Joe Bolea (423) 989-6377
Joe Kumper (678) 566-9380
Fred Ganster (610) 921-4052

CHEMICAL/TRADE NAME (* as used on label) *Lead-Acid Battery

PRODUCT ID UN2794

CHEMICAL FAMILY/ CLASSIFICATION Electric Storage Battery

FOR EMERGENCY

In the **U.S.** Call **CHEMTREC** (800) 424-9300 24-hour Emergency Response Contact/
(703) 527-3887 – Collect Ask for Environmental Coordinator

In **Canada** Call **CANUTEC** (888) 226-8832, (613) 996-6666 or *666 on a Mobile Phone

II. HAZARD IDENTIFICATION

Signal Word: Danger

Category:		GHS Codes	Description
Health:	**STOT RE 2** **Acute Tox. 4** **Repr. 1A** **Skin Corr. 1A** **Flam. Gas 1** **Carc. 1A (arsenic)** **Aquatic Chronic 1** **Aquatic Acute 1**	H302/H312/H332	Harmful if swallowed, inhaled, or in contact with skin.
		H314	Acid causes severe skin burns and eye damage.
		H315/H318	Causes skin irritation, serious eye damage.
		H302/H313/H332	Contact with internal components may cause irritation or severe burns.
		H350	May cause cancer if ingested or inhaled.
		H360	May damage fertility or the unborn child if ingested or inhaled.
		H373	Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure if ingested or inhaled.
		H220	Extremely flammable gas (hydrogen). May form explosive air/gas mixture during charging.
		H203	Explosive, fire, blast or projection hazard.
		H410	Very toxic to aquatic life with long lasting effects.
		P260	Do not breathe dust/fume/gas/mist/vapors/spray.
		P314	If exposed/concerned, or if you feel unwell seek medical attention/advice.
		P301/330/331	**IF SWALLOWED OR CONSUMED:** rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell.
		P303/361/353	**IF ON CLOTHING OR SKIN (or hair):** Remove/Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower.
		P304/340	**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
		P305/351/338	**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P311	Immediately call a **POISON CENTER** or doctor/physician.
		H362	May cause harm to breast-fed children.
Handling:		P201	Obtain special instructions before use.
		P202	Do not handle until all safety precautions have been read and understood.
		P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
		P263	Avoid contact during pregnancy/while nursing.
		P264	Wash thoroughly after handling.
		P270	Do not eat drink or smoke when using this product.
		P280	Wear protective gloves/protective clothing/eye protection/face protection.
		P403/P405	Store locked up, in a well-ventilated area, in accordance with local and national regulation.
		P271	Use only outdoors or in a well-ventilated area.
		P501	Dispose of contents/container in accordance with local & national laws.
		P201	Keep out of reach of children.

WARNING: Batteries subjected to abusive charging at excessively high currents for prolonged periods of time without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid.

Reactivity: Highly reactive with water and alkalis

III. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	*CAS Number*	*% by Wt.*
Inorganic compounds of:		
Lead	7439-92-1	42-70
Antimony	7440-36-0	0.3-1.0
Tin	7440-31-5	0.15-0.4
Calcium	7440-70-2	0.00-0.03
Arsenic	7440-38-2	0.01-0.03
Electrolyte (sulfuric acid/water/solution)	7664-93-9	23-50
Case Material:		
Polypropylene	9003-07-0	2.5-10.5
Plate Separator Material:		
Polyethylene	9002-88-4	0.7-1.7

Note:
Inorganic lead and electrolyte (water and sulfuric acid solution) are the primary components of every battery manufactured by Exide Technologies or its subsidiaries. Other ingredients may be present dependent upon battery type. Polypropylene is the principal case material of automotive and commercial batteries.

IV. FIRST AID MEASURES

Take proper precautions to ensure you own health and safety before attempting to rescue a victim and provide first aid.

Inhalation: Electrolyte: Remove to fresh air immediately. If breathing is difficult, give oxygen.
Lead/arsenic compounds: Remove from exposure, gargle, wash nose and lips; consult physician.

Skin Contact: Electrolyte: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes.
Lead/arsenic compounds: Wash immediately with soap and water.

Eye Contact: Electrolyte and Lead/arsenic compounds: Flush immediately with large amounts of water for at least 15 minutes; consult physician immediately.

Ingestion: Electrolyte: Give large quantities of water; **do not** induce vomiting; consult physician.
Lead/arsenic compounds: Consult physician immediately.

V. FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Flammable Limits: LEL = 4.1% (Hydrogen Gas in air) ; UEL = 74.2%

Extinguishing media: CO_2; foam; dry chemical

Fire Fighting Procedures:
Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but, note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

Hazardous Combustion Products:
In operation, batteries generate and release flammable hydrogen gas. They must always be assumed to contain this gas which, if ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery.

VI. ACCIDENTAL RELEASE MEASURES

Stop flow of material, contain/absorb small spills with dry sand, earth, and vermiculite. Do not use combustible materials. If possible, carefully neutralize spilled electrolyte with soda ash, sodium bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. ***Do not allow discharge of acid to sewer.*** Acid must be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

VII. HANDLING AND STORAGE

Handling:
Unless involved in recycling operations, do not breach the casing or empty the contents of the battery. Handle carefully and avoid tipping, which may allow electrolyte leakage. Single batteries pose no risk of electric shock but there may be increasing risk of electric shock from strings of connected batteries exceeding three 12-volt units.

Storage:
Store batteries under roof in cool, dry, well-ventilated areas separated from incompatible materials and from activities that may create flames, spark, or heat. Store on smooth, impervious surfaces provided with measures for liquid containment in the event of electrolyte spills. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit.

Charging:

There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries being charged.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

	Occupational Exposure Limits (mg/m^3)					
Ingredient	US OSHA	US ACGIH	US NIOSH	Quebec PEV	Ontario OEL	EU OEL
Inorganic compounds of:						
Lead	0.05	0.05	0.05	0.05	0.05	0.15(a)
Antimony	0.5	0.5	0.5	0.5	0.5	0.5(a,d)
Tin	2	2	2	2	2	2(e)
Arsenic	0.01	0.01	0.002(c)	0.002	0.01	0.01(a,f)
Electrolyte (sulfuric acid/water/solution)	1	0.2	1	1	0.2	0.05(b)

NOTES:

a) as inhalable aerosol
b) thoracic fraction
c) potential occupational carcinogen
d) based on OELs of Austria, Belgium, Denmark, France, Netherlands, Switzerland, & UK
e) based on OEL of Belgium
f) based on OEL of Belgium & Denmark

Engineering Controls (Ventilation):

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously, do not tip to avoid spills. Make certain vent caps are on securely. If battery case is damaged, avoid bodily contact with internal components. Wear protective clothing, eye and face protection, when filling, charging, or handling batteries.

Respiratory Protection (NIOSH/MSHA approved):

None required under normal conditions. When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

Skin Protection:

Rubber or plastic acid-resistant gloves with elbow-length gauntlet. Acid-resistant apron. Under severe exposure or emergency conditions, wear acid-resistant clothing, gloves, and boots.

Eye Protection:

Chemical goggles or face shield.

Other Protection:

In areas where water and sulfuric acid solutions are handled in concentrations greater than 1%, emergency eyewash stations and showers should be provided, with unlimited water supply.

IX. PHYSICAL AND CHEMICAL PROPERTIES- ELECTROLYTE

Boiling Point@760 mm Hg	226 to 237° F	Specific Gravity @ 77°F (H_2O=1)	1.2185 to 1.3028
Melting Point	Not Applicable	Vapor Pressure (mm Hg)	13.5 to 17.8
% Solubility in Water	100	pH	Less than 1
Evaporation Rate (Butyl acetate=1)	Less Than 1	Vapor Density (AIR=1)	Greater than 1
		Viscosity	Not applicable
Appearance and Odor Threshold	Electrolyte is a clear liquid with a sharp, penetrating, pungent odor. A battery is a manufactured article; no apparent odor.	% Volatiles by Volume @70°F	Not Applicable
Octanol Water Partition Coefficient (K_{ow})	Not Applicable		

Note: The properties above reflect 30-40% Sulfuric acid

X. STABILITY & REACTIVITY

Stability: Stable X
Unstable ___

Conditions to Avoid: Prolonged overcharge at high current; sources of ignition.

Incompatibilities: (materials to avoid)

Electrolyte: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas. No further concern for mechanical impact.

Lead compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents.

Arsenic compounds: strong oxidizers; bromine azide. NOTE: hydrogen gas can react with inorganic arsenic to form the highly toxic gas - arsine

Hazardous Decomposition Products:

Electrolyte: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide.

Lead compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas.

Hazardous Polymerization: will not occur

XI. TOXICOLOGICAL DATA

Routes of Entry:

Electrolyte: Harmful by all routes of entry.
Lead/arsenic compounds: Hazardous exposure can occur only when product is heated above the melting point, oxidized or otherwise processed or damaged to create dust, vapor, or fume. The presence of nascent hydrogen may generate highly toxic arsine gas.

Acute Toxicity:

Inhalation LD_{50}:
Electrolyte: LC_{50} rat: 375 mg/m^3; LC_{50}: guinea pig: 510 mg/m^3
Elemental Lead: Acute Toxicity Point Estimate = 4500 ppmV (based on lead bullion)
Elemental arsenic: No data

Oral LD_{50}:
Electrolyte: rat: 2140 mg/kg
Elemental lead: Acute Toxicity Estimate (ATE) = 500 mg/kg body weight (based on lead bullion)
Elemental arsenic: LD_{50} mouse: 145 mg/kg

Inhalation:

Electrolyte: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation. May lead to increase of risk of lung cancer.
Lead compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.

Ingestion:

Electrolyte: May cause severe irritation of mouth, throat, esophagus, and stomach.
Lead/arsenic compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. This may lead rapidly to systemic toxicity. Acute ingestion should be treated by physician.

Skin Contact:

Electrolyte: Severe irritation, burns, and ulceration. Sulfuric acid is not readily absorbed through the skin and is not a dermal sensitizer.

Lead compounds: Not absorbed through the skin and is not a dermal sensitizer.
Arsenic compounds: Contact may cause dermatitis and skin hyperpigmentation. Arsenic pentoxides are dermal sensitizers.

Eye Contact:

Electrolyte: Severe irritation, burns, cornea damage, blindness.
Lead/arsenic compounds: May cause eye irritation.

Synergistic Products:

Electrolyte: No known synergistic products
Lead compounds: Synergistic effects have been noted with heavy metals (arsenic, cadmium, mercury), N-nitroso-N-(hydroxyethyl)ethylamine, N-(4-fluoro-4-biphenyl)acetamide, 2-(nitrosoethylamine)ethanol, and benzo[a]pyrene.
Arsenic compounds: Cigarette smoking has been shown to increase the occurrence of lung cancer in people with high levels of arsenic in the drinking water Co-exposure to ethanol and arsenic may exacerbate the toxic effects of arsenic

Additional Information:

Medical Conditions Generally Aggravated by Exposure:

Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of electrolyte (water & sulfuric acid solution) with skin may aggravate skin diseases such as eczema and contact dermatitis. Contact of electrolyte (water & sulfuric acid solution) with eyes may damage cornea and/or cause blindness. Lead and its compounds can aggravate some forms of kidney, liver, and

neurologic diseases.

Additional Health Data:
All heavy metals, including the hazardous ingredients in this product, are taken into the body primarily by inhalation and ingestion. Most inhalation problems can be avoided by adequate precautions such as ventilation and respiratory protection covered in Section VIII. Follow good personal hygiene to avoid inhalation and ingestion: wash hands, face, neck and arms thoroughly before eating, smoking or leaving the work site. Keep contaminated clothing out of non-contaminated areas, or wear cover clothing when in such areas. Restrict the use and presence of food, tobacco and cosmetics to non-contaminated areas.
Work clothes and work equipment used in contaminated areas must remain in designated areas and never taken home or laundered with personal non-contaminated clothing.
This product is intended for industrial use only and should be isolated from children and their environment.

XII. ECOLOGICAL INFORMATION

Environmental Fate: lead is very persistent in soil and sediments. No data on environmental degradation. Mobility of metallic lead between ecological compartments is slow. Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants but little bioaccumulation occurs through the food chain. Most studies include lead compounds and not elemental lead.

Environmental Toxicity: Aquatic Toxicity:

Sulfuric acid:	24-hr LC_{50}, freshwater fish (*Brachydanio rerio*): 82 mg/L
	96 hr- LOEC, freshwater fish (*Cyprinus carpio*): 22 mg/L
Lead:	48 hr LC_{50} (modeled for aquatic invertebrates): <1 mg/L, based on lead bullion
Arsenic:	24 hr LC_{50}, freshwater fish (*Carrassisus auratus*) >5000 g/L.

XIII. DISPOSAL INFORMATION

US

Spent batteries:	Send to secondary lead smelter for recycling. Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled sulfuric acid is a characteristic hazardous waste; EPA hazardous waste number D002 (corrosivity) and D008 (lead).
Electrolyte:	Place neutralized slurry into sealed acid resistant containers and dispose of as hazardous waste, as applicable. Large water diluted spills, after neutralization and testing, should be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

XIV. TRANSPORT INFORMATION

GROUND – US-DOT/CAN-TDG/EU-ADR/APEC-ADR:
Batteries, Wet, Filled with Acid
UN 2794, 8, PG III
Label: "Corrosive"

AIRCRAFT – ICAO-IATA:
Batteries, Wet, Filled with Acid
UN 2794, 8
Label: "Corrosive"
Reference IATA packing instructions 870

VESSEL – IMO-IMDG:
Batteries, Wet, Filled with Acid
UN 2794, 8
Label: "Corrosive"
Reference IMDG packing instructions P801

Additional Information:
- Batteries must be kept upright at all times and packaged as required to prevent short circuits.
- Transport may require packaging and paperwork, including the Nature and Quantity of goods, per applicable origin/destination/customs points as-shipped.

XV. REGULATORY INFORMATION

United States:

EPA SARA Title III

Section 302 EPCRA Extremely Hazardous Substances (EHS):

Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of **1,000 lbs.**

EPCRA Section 302 notification is required if **500 lbs** or more of sulfuric acid is present at one site (40 CFR 370.10). An average automotive/commercial battery contains approximately 5 lbs of sulfuric acid. Contact your Exide representative for additional information.

Section 304 CERCLA Hazardous Substances:

Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and Community Right to Know Act) is **1,000 lbs**. State and local reportable quantities for spilled sulfuric acid may vary.

Section 311/312 Hazard Categorization:

EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of **500 lbs** or more and/or if lead is present in quantities of **10,000 lbs** or more.

Section 313 EPCRA Toxic Substances:

Supplier Notification: This product contains toxic chemicals that may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements. For a manufacturing facility under SIC codes 20 through 39, the following information is provided to enable you to complete the required reports:

Toxic Chemical	CAS Number	Approximate % by Weight
Lead	7439-92-1	42-70
Sulfuric Acid/Water Solution	7664-93-9	23-50
Antimony	7440-36-0	0.3-1.0
Arsenic	7440-38-2	0.01-0.03
Tin	7440-31-5	0.15-0.4

Note: The Section 313 supplier notification requirement does not apply to batteries that are "consumer products".

TSCA: Each ingredient chemical listed in Section III of this SDS is also listed on the TSCA registry.

OSHA: hazardous in accordance with Hazard Communication Act (29CFR1910.1200)

RCRA: Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled sulfuric acid is a characteristic hazardous waste; EPA hazardous waste number D002 (corrosivity) and D008 (lead).

CAA: Exide Technologies supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611 of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, Exide established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.

NFPA Hazard Rating for sulfuric acid:

Flammability (Red)	=	0
Health (Blue)	=	3
Reactivity (Yellow)	=	2

Sulfuric acid is water-reactive if concentrated.

US State Notifications and Warnings:	**Identification**	**Notifications/Warning**
California		"WARNING: This product contains lead and arsenic, chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm."
	California Proposition 65	The following chemicals identified to exist in the finished product as distributed into commerce are known to the State of California to cause cancer, birth defects or to cause reproductive harm: Arsenic (as arsenic oxides); CAS# 7440-38-2; <0.01% wt Strong inorganic acid mists including sulfuric acid; CAS #: NA; 23-50% wt Lead – CAS No. 7439-92-1; 42-70% wt. Arsenic – CAS No. 7440-38-2 ; 0.01-0.03%
	Consumer Product Volatile Organic Compound Emissions	This product is not regulated as a consumer product for purposes of CARB/OTC VOC Regulations, as sold for the intended purpose and into the industrial/commercial supply chain.
Country/Organization	**Identification**	**Notifications/Warning**
Canada	All chemical substances in this product are listed on the CEPA DSL/NDSL or are exempt from list requirements.	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Refer to the Controlled Products Regulation for product labeling requirements
	NPRI and Ontario Regulation 127/01	This product contains the following chemicals subject to the reporting requirements of Canada NPRI and/or Ont. Reg. 127/01: Chemical / CAS # / %wt Lead / 7439-92-1 / 42-70 Arsenic / 7440-38-2 / 0.01-0.03 Sulfuric acid / 7664-93-9 / 23-50%

	Toxic Substances List	Lead Arsenic

XVI. OTHER INFORMATION

DATE ISSUED: February 1, 2016

OTHER INFORMATION:	Distribution into Quebec to follow Canadian Controlled Product Regulations (CPR) 24(1) and 24(2). Distribution into the EU to follow applicable Directives to the Use, Import/Export of the product as-sold.
SOURCES OF INFORMATION:	International Agency for Research on Cancer (1987), IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: Overall Evaluations of Carcinogenicity: An updating of IARC Monographs Volumes 1-42, Supplement 7, Lyon, France. Ontario Ministry of Labor Regulation 654/86. Regulations Respecting Exposure to Chemical or Biological Agents.

PREPARED BY: ENVIRONMENTAL, SAFETY AND HEALTH DEPARTMENT
EXIDE TECHNOLOGIES
13000 DEERFIELD PKWY., BLDG. 200
MILTON, GA 30004

VENDEE AND THIRD PERSONS ASSUME THE RISK OF INJURY PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT FOLLOWED AS PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL NOT BE LIABLE FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE PROCEDURES ARE FOLLOWED.

ALL PERSONS USING THIS PRODUCT, ALL PERSONS WORKING IN AN AREA WHERE THIS PRODUCT IS USED, AND ALL PERSONS HANDLING THIS PRODUCT SHOULD BE FAMILIAR WITH THE CONTENTS OF THIS DATA SHEET. THIS INFORMATION SHOULD BE EFFECTIVELY COMMUNICATED TO EMPLOYEES AND OTHERS WHO MIGHT COME IN CONTACT WITH THE PRODUCT.

WHILE THE INFORMATION ACCUMULATED AND SET FORTH HEREIN IS BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF, EXIDE TECHNOLOGIES MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE FOR THEIR PARTICULAR CIRCUMSTANCES.

ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT

SAFETY DATA SHEET

Sapphire Clean 1222

Section 1. Identification

GHS product identifier : Sapphire Clean 1222

Other means of identification : Not available.

Product type : Liquid.

Identified uses

Not available.

Supplier's details : Miller Industrial Fluids, LLC
1751 W. Raymond Street
Indianapolis, IN 46221
Tel.: (317) 634-7300
Fax: (317) 636-6761
Email: customerservice@millerif.com
Web: www.millerif.com

Emergency telephone number (with hours of operation) : CHEMTREC, U.S. : 1-800-424-9300 International: +1-703-527-3887 (24/7)
Emergency phone : (317) 634-7300, After Hours: (CHEMTREC)
Emergency email : customerservice@millerif.com
Hours of operation : 8am – 5pm

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Causes serious eye irritation.
Causes skin irritation.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.

Section 2. Hazards identification

Response : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

CAS number/other identifiers

CAS number : Not applicable.

Product code : Not available.

Ingredient name	%	CAS number
Nonylphenol, ethoxylated	1 - 5	9016-45-9
2-Butoxyethanol	1 - 5	111-76-2
Sodium xylenesulphonate	1 - 5	1300-72-7
Tetrapotassium pyrophosphate	1 - 5	7320-34-5
Poly(oxy-1,2-ethanediyl), α-(9Z)-9-octadecen-1-yl-ω-hydroxy-, phosphate	1 - 5	39464-69-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 20 minutes. Get medical attention.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately.

Skin contact : Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Most important symptoms/effects, acute and delayed

Section 4. First aid measures

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO_2.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
Sulfur oxides
phosphorus oxides
metal oxide/oxides

Special protective actions for fire-fighters : No special measures are required.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-Butoxyethanol	**ACGIH TLV (United States, 4/2014).** TWA: 20 ppm 8 hours. **NIOSH REL (United States, 10/2013). Absorbed through skin.** TWA: 24 mg/m³ 10 hours. TWA: 5 ppm 10 hours. **OSHA PEL (United States, 2/2013). Absorbed through skin.** TWA: 240 mg/m³ 8 hours. TWA: 50 ppm 8 hours.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Recommended: Oil impervious gloves.

Body protection : Recommended: Oil impermeable apron.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Blue.

Odor : Mild citrus.

Odor threshold : Not available.

pH : 8 [Conc. (% w/w): 5%]

Melting point : 0°C (32°F)

Boiling point : 100°C (212°F)

Flash point : Not available.

Evaporation rate : Not available.

Section 9. Physical and chemical properties

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Relative density : 1

Solubility : Easily soluble in the following materials: cold water and hot water.

Partition coefficient: n-octanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Butoxyethanol	LC50 Inhalation Vapor	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
Sodium xylenesulphonate	LD50 Oral	Rat	7200 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Nonylphenol, ethoxylated	Eyes - Severe irritant	Guinea pig	-	20 mg	-
	Eyes - Severe irritant	Mouse	-	20 mg	-
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Human	-	72 hours 15 mg Intermittent	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
2-Butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Severe irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-

Sensitization

Section 11. Toxicological information

There is no data available.

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
2-Butoxyethanol	-	3	-	A3	-	-

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Ingestion.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No known significant effects or critical hazards.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Section 11. Toxicological information

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	8354.1 mg/kg
Dermal	7351.6 mg/kg
Inhalation (vapors)	367.6 mg/L

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Nonylphenol, ethoxylated	Acute EC50 12 mg/L Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 1.23 mg/L Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 0.148 mg/L Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4700 µg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 8 mg/L Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 35 µg/L Fresh water	Fish - Oryzias latipes - Fry	100 days
2-Butoxyethanol	Acute EC50 >1000 mg/L Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000 mg/L Marine water	Crustaceans - Chaetogammarus marinus - Young	48 hours
	Acute LC50 1250000 µg/L Marine water	Fish - Menidia beryllina	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
2-Butoxyethanol	0.81	-	low
Sodium xylenesulphonate	-3.12	-	low
Poly(oxy-1,2-ethanediyl), α-(9Z)-9-octadecen-1-yl-ω-hydroxy-, phosphate	7.72	-	high

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe

Section 13. Disposal considerations

way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional information	-	-	-

AERG : Not applicable.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) PAIR**: Nonylphenol, ethoxylated

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 311: Sodium hydroxide; Potassium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Nonylphenol, ethoxylated	1 - 5	No.	No.	No.	Yes.	No.
2-Butoxyethanol	1 - 5	Yes.	No.	No.	Yes.	No.
Sodium xylenesulphonate	1 - 5	No.	No.	No.	Yes.	No.
Tetrapotassium pyrophosphate	1 - 5	No.	No.	No.	Yes.	No.
Poly(oxy-1,2-ethanediyl), α-(9Z)-9-octadecen-1-yl -ω-hydroxy-, phosphate	1 - 5	No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-Butoxyethanol	111-76-2	1 - 5
Supplier notification	2-Butoxyethanol	111-76-2	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: 2-Butoxyethanol

New York : None of the components are listed.

New Jersey : The following components are listed: 2-Butoxyethanol

Pennsylvania : The following components are listed: 2-Butoxyethanol

California Prop. 65

No products were found.

Section 16. Other information

History

Date of issue mm/dd/yyyy : 01/15/2015

Version : 1

Revised Section(s) : Not applicable.

Prepared by : KMK Regulatory Services Inc.

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient

Section 16. Other information

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

United States Environmental Protection Agency
Region 5
Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA)
SARA Title III
RECEIPT FOR SAMPLES AND DOCUMENTS

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.		
4/5/18			12:05P	Enkie America Incorporated

4. INSPECTOR ADDRESS	5. FIRM ADDRESS
United States Environmental Protection Agency Region 5 77 West Jackson Boulevard Chicago, Illinois 60604	2900 West INWood Dr. Columbus, IN

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Emergency Planning and Community Right-to-Know Act of 1986.

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

No.	Description
1	Inspection Chemical Inventory Form (1page)
2	Tier II 2014 (12 pages) Revised
3	Tier II 2015 Revised (12 pages)
4	Tier II 2016 Revised (12 pages)
5	Tier II 2017 Revised (12 pages)
6	Emergency Response plan (5 pages)
7	SDS Houghton 419R (8pages)
8	SDS Saphire Clean 1222 (11 pages)
9	SDS Lead-acid Battery (7 pages)
10	Paint Cleaner SDS (10 pages)
11	SDS Blasocut BC935 (9 pages)

Chemical identities for underlined items have been claimed as trade secret. The facility official requesting such treatment has read and understands EPCRA Section 322 and pertinent trade secret regulations and understands EPCRA Section 325, which provides for (among other things) penalties for frivolous claims.

Optional:
Duplicate or split samples: Requested and Provided ☐ Not Requested ☐

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
James Entzminger		Jason Jones	
NAME James Entzminger		NAME Jason Jones	
TITLE EPS	DATE SIGNED 4/5/18	TITLE Environmental manager	DATE SIGNED 4/5/18

Attachment 12

United States Environmental Protection Agency
Region 5
Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA)
SARA Title III

RECEIPT FOR SAMPLES AND DOCUMENTS

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.		
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The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Emergency Planning and Community Right-to-Know Act of 1986.

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

No.	Description
12	SDS Alodine (5 pages)
13	site map (1 pages)
14	SPCC Plan (24 pages)

Page 2

Chemical identities for underlined items have been claimed as trade secret. The facility official requesting such treatment has read and understands EPCRA Section 322 and pertinent trade secret regulations and understands EPCRA Section 325, which provides for (among other things) penalties for frivolous claims.

Optional:
Duplicate or split samples: Requested and Provided ☐ Not Requested ☐

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
James Entzminger		Jason Jones	
NAME James Entzminger		NAME Jason Jones	
TITLE EPS	DATE SIGNED 4/5/18	TITLE Environmental Manager	DATE SIGNED 4/5/18

7017 0660 0000 3661 4436

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- ☐ Return Receipt (hardcopy) $ 2.75
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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

ENTZMINGER SC 50

Postage
$ 1.21

Total
$ 7.41

Sent

Street

City,

Jason Jones
Environmental Health and Safety Manager
Enkei America Incorporated
2900 West Inwood Drive
Columbus, IN 47201-9758

Postmark Here

CHICAGO IL 600

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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- Electronic verification of delivery or attempted delivery.
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  - Restricted delivery service, which provides delivery to the addressee specified by name, or to the addressee's authorized agent.
  - Adult signature service, which requires the signee to be at least 21 years of age (not available at retail).
  - Adult signature restricted delivery service, which requires the signee to be at least 21 years of age and provides delivery to the addressee specified by name, or to the addressee's authorized agent (not available at retail).
- To ensure that your Certified Mail receipt is accepted as legal proof of mailing, it should bear a USPS postmark. If you would like a postmark on this Certified Mail receipt, please present your Certified Mail item at a Post Office™ for postmarking. If you don't need a postmark on this Certified Mail receipt, detach the barcoded portion of this label, affix it to the mailpiece, apply appropriate postage, and deposit the mailpiece.

IMPORTANT: Save this receipt for your records.

PS Form **3800,** April 2015 *(Reverse)* PSN 7530-02-000-9047

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Jason Jones
Environmental Health and Safety Manager
Enkei America Incorporated
2900 West Inwood Drive
Columbus, IN 47201-9758

9590 9402 2815 7069 6854 58

2. Article Number *(Transfer from service label)*

7017 0660 0000 3661 4436

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Deon Dunn ☐ Agent ☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery 3-17-18

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

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• Sender: Please print your name, address, and ZIP+4® in this box•

James Entzminger
U.S. EPA, Region 5
Mail Code: SC-5J
77 W. Jackson Blvd.
Chicago, IL 60604

-360899

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

FEB 15 2018

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

REPLY TO THE ATTENTION OF:

Ron Thompson
General Manager
Enkei America Incorporated
2900 West Inwood Drive
Columbus, Indiana 47201-9758

Dear Mr. Thompson:

The U.S. Environmental Protection Agency, Chemical Emergency Preparedness and Prevention Section. The purpose of this inspection is to determine your history of compliance with Sections 302-312 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The agreed upon date and time of the inspection will be February 21, 2018, at 9:00 a.m.

Mr. James Entzminger, Robert Mayhugh, and Xiaomi Zhang will be conducting the EPCRA inspection of your facility. Xiaomi Zhang assists the EPA, as part of the Senior Environmental Employment (SEE) Program. As part of the technical assistance provided to the Agency, he provides inspection services under my direction, pursuant to EPCRA (SARA Title III). SEE enrollees are authorized by the EPA to have access to Confidential Business Information, and sign a Non-Disclosure Agreement regarding any such information.

A facility is subject to the requirements of Sections 311 and 312 if the owner/operator is required to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical under the Occupational Safety and Health Act (OSHA) of 1970 and if the hazardous chemical is present in an amount in excess of the threshold established for such chemical. The reporting requirement covers each hazardous chemical present at the facility at any one time in an amount equal to or greater than 10,000 pounds, and for each extremely hazardous substance present at the facility in an amount greater than or equal to 500 pounds or the threshold planning quantity, whichever is lower.

Read the enclosed documents thoroughly and review your storage quantities so that you will be prepared to provide the appropriate information for this inspection. Please be prepared to make the following information available at the time of the inspection:

- A copy of your site plan which discusses the actions your facility would take in case of an emergency.
- A diagram of your facility, including the locations of any hazardous chemical.

- Copies of your Tier Reports, if appropriate, for calendar year 2014 through 2016.
- Copies of your Form R Reports under EPCRA Section 313, if appropriate, for calendar year 2014 through 2016.
- Invoices, inventory records, or other documents such as a list of chemicals and maximum quantities stored at any one given time during each of the previous three calendar years.
- Material Safety Data Sheets for all hazardous chemicals used/stored at your facility.
- Please fill out the enclosed Inspection Chemical Inventory Form and have it available for the inspectors at the time of the inspection.

Enclosed, please find an EPA sheet entitled "Small Business Resources" which might be helpful if you are a qualified small business.

The EPA inspectors will also interview employees who have knowledge regarding the use, manufacturing, production, or storage of the hazardous chemicals, and intends to take pictures of any and all chemicals and quantities stored during the time of the inspection.

If you have any questions regarding this letter or the inspection, please contact Mr. James Entzminger at (312) 886-4062 or Mr. Robert Mayhugh at (312) 886-5929, or Mr. Xiaomi Zhang at (734) 692-7624.

Sincerely,

Michael E. Hans, Chief
Chemical Emergency Preparedness
and Prevention Section

Enclosures (6) Tier Two Form
SARA Title III Fact Sheet
Title III List of Lists
CERCLA Fact Sheet
Small Business Information Sheet
Inspection Chemical Inventory Form

Send by UPS:

OVER NIGHT

TO:

Ron Thompson
General Manager
Enkei America Incorporated
2900 W. Inwood Drive
Columbus, Indiana 47201-9758

(1)

From:

James Entzminger
Mail Code SC-5J
Tel. No. (312) 886-4062

JAMES ENTZMINGER SC – 5J
312 – 886 – 7902
US EPA
77 W JACKSON BLVD
CHICAGO IL 60604

1 LBS

1 OF 1

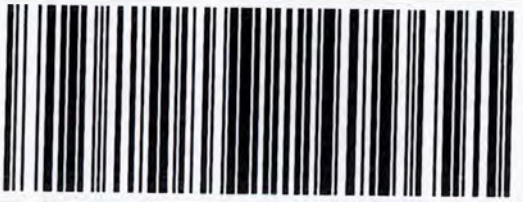
DWT: 38,6,6

SHIP TO:
RON THOMPSON
ENKEI AMERICA INC
2900 W INWOOD DRIVE
COLUMBUS IN 47201 – 9758

IN 472 0 – 01

UPS NEXT DAY AIR **1**

TRACKING #: 1Z A49 E01 01 9526 9870



BILLING: P/P

Reference # 1: 06F
Reference # 2: 05F

CS 20.0.32. WNTNV50 97.0A 01/2018

TM

Over night

Ron Thompson
General manager
2900 West Inwood Drive
Columbus, IN 47201-9758

812-373-7001 x 1560

James Entzminger SC-5J
312-886-4062

ENKEI AMERICA, INC.

PWI 9.12.23 Emergency Response Plan

EFFECTIVE DATE: 4/3/2018

REVISION: Q

WRITTEN BY: Luke Huls,Ron Thompson
REVISED BY: Jason Jones, Mark Auxier

REFERENCES:
EXTERNAL: 29 CFR 1910.38 OSHA
INTERNAL: PWI 9.13.6, DOC 9.12.23.1, DOC 9.12.23.5, DOC 9.12.23.6, DOC 9.12.23.7

I. PURPOSE

In the event of an emergency or disaster this plan describes the information/procedures/responsibilities necessary to protect personnel, property, and the environment. An emergency or disaster includes but is not limited to:

EKAC: Fire, Tornado, Chemical Spill, Bomb Threat, Explosion, Earthquake, Molten Metal Spill, or Power Outage.
EKAJ: Fire, Tornado, Hurricane, Chemical Spill, Bomb Threat, Explosion, Earthquake, Molten Metal Spill, Power Outage, or Aircraft related incident.

II. NOTIFICATION OF EMERGENCY

A. Emergency warnings may come from the following sources: automatic sprinkler system, in-plant alarms, national weather service, local emergency officials, security, employees, or the actual emergency.
B. Any person made aware of an emergency or disaster should immediately notify the Enkei designated Primary Emergency Coordinator. (DOC 9.12.23.4).
C. The plant paging system and plant air horn system will be used to notify all personnel of an actual emergency and the appropriate actions to take. If this system fails two-way radio communications will be used for notification. Person-to-person communications may also be used.

III. EMERGENCY CONTROL COMMITTEE

A. Organization
   1. Executive Vice-President
   2. Environmental Manager
   3. Safety Manager
   4. Vice-President of Finance
   5. Area Managers or Business Unit Managers
   6. Enkei Emergency Coordinators
      a. 1ST Shift – GM, Safety & Environmental. Department Supervisors
   a. 2ND Shift - Department Supervisors

EKAJ:
1. General Manager Administration
2. Area Managers or Business Unit Managers
3. Enkei Emergency Coordinators

a. 1ST Shift – Department Supervisors
a. 2ND Shift – Department Supervisors
b. 3rd Shift-Department Supervisors

B. Responsibilities
1. Emergency Coordinator (Supervisors)
   a. Assess the nature and extent of all emergencies
   b. Ensure a save evacuation route
   c. Ensure all personnel/visitors are accounted for
   d. Assign personnel their responsibilities in this plan
   e. Train personnel in the responsibilities and procedures in this plan
   f. Order Plant Evacuation and/or Plant Shutdown
   g. Order additional measures, if necessary, to protect personnel, property and /or the environment

NOTE: The Emergency Coordinator has the authority to coordinate, amend, modify, supersede or improvise any portion of this plan to ensure employee safety.

C. Normally, Enkei Emergency Coordinators are responsible for ensuring the procedures in this plan are followed. However, if the emergency situation warrants, the highest ranking member of the Plant Management present has the authority to coordinate, amend, modify, or supersede any procedures in this plan to insure employee safety.

IV. EMERGENCY ALARMS

A. Fire Sprinkler Alarms
1. Fire sprinkler alarm will sound if a sprinkler head has been activated.
2. Fire sprinkler alarm will sound if a fire pull station is activated.
3. The Emergency Coordinator is responsible for ensuring personnel are knowledgeable of the location of the fire pull stations and extinguishers.

B. Severe Weather Alarm
1. The Emergency Coordinator and/or Human Resource Specialist may monitor local weather when severe weather conditions are suspected to occur.
2. Severe weather monitors are maintained in the following locations:
   EKAC:
   a. Security/Receptionist's Desk in the Front Lobby
   b. MAC 1 Plant
   c. EAL
   d. EKAM / IT

   EKAJ:
   a. Front office

C. Air Horns
1. One long blast will be sounded to evacuate the employees from an area for a fire.
2. Two long blasts will be sounded to send employees to the emergency shelter areas.

V. GENERAL PROCEDURES AND INFORMATION

A. The Emergency Coordinator will ensure that he/she is accessible and in a position to coordinate the necessary response activities.
B. The designated Emergency Control Center is Enkei's Engineering and Technology Office, and for EKAJ is the Executive office.
C. 911 emergency responders are the official providers of first aid. However, first aid may be administered as needed by Enkei personnel who are willing and properly trained. If necessary, first aid will be administered by Enkei's designated Emergency Coordinators.
D. The Safety Manager and Documentation Control Clerk reviews Safety Data Sheets (SDS) for hazardous chemicals used on site to aid in developing the Emergency Response Plan. Emergency Coordinators may also use Electronic SDS to aid in safely responding to an emergency. SDS are kept and maintained on the intranet.
E. All information released to the public or media concerning facility emergencies will be at the discretion of Enkei's Executive Committee.
F. Enkei personnel are instructed not to perform firefighting procedures, but to evacuate the building upon evacuation order by the Facility Emergency Coordinator.
G. If necessary, shutdown of utilities will be performed by maintenance personnel or by anyone authorized by the Emergency Coordinator or Emergency Control Committee. In the event of a Baghouse fire, designated personnel will ensure that furnace shutdowns are initiated, if they can be performed in a safe manner, prior to evacuating the building:
   1. Call 911
   2. Evacuate the area
   3. Eliminate air flow- turn off the fan
   4. Eliminate fuel sources-stop the fan
   5. Coordinate with responding fire department.

VI. EMERGENCY PHONE NUMBERS

A. A phone number is listed below for each of the follow emergencies:
   EKAC:
   1. 911 – FIRE
   2. 911 – POLICE
   3. 911 – AMBULANCE

   EKAJ:
   1. 911 – FIRE
   2. 911 – POLICE
   3. 911 – AMBULANCE
   4. 630-4630 – HURRICANE INFORMATION/EVACUATION ROUTES
   5. 564-7500 – COAST GUARD MARINE & AIR EMERGENCIES
   6. 800-320-0519 – FLORIDA STATE WATCH OFFICE
   7. 791-9992 – TOXIC CHEMICAL/OIL SPILL (ERM Contractor)

VII. EVACUATION ROUTES AND EMERGENCY ASSEMBLY / SHELTER AREAS

A. Employees are instructed for all emergencies requiring evacuation to use an alternate route when their primary route is obstructed. An alternate route is considered to be the next nearest primary evacuation route and exit that is not obstructed.
B. Maps of evacuation routes and Emergency Assembly Areas are as Follows.
   EKAC:

1. Plant I – Main Hallway by Men's Locker room.
2. Plant II - Main Hallway by Office Complex.
3. Paint Department by Lunchroom.
4. MAC 1 Plant Lunchroom.
5. Enkei America Logistics (EAL).
6. EKAM / IT Main hallway.

EKAJ:
1. Front Office.
2. Main Break room.

C. Emergency Assembly Areas.

EKAC:
For emergencies that require evacuation of the plant, employees of specified departments will gather at the locations listed in sections 1-6.
1. Assembly Area 1 – Southwest Parking Lot.
2. Assembly Area 2 – MAC 1 east parking lot.
3. Assembly Area 3 – Area east of Final Inspection.
4. Assembly Area 4 – Area northeast of Plant 2, north of VRD
5. Assembly Area 5 – Area directly west of Plant 2.
6. Assembly Area 6 - East parking lot of EAL.

EKAJ:
For emergencies that require evacuation of the plant, EKAJ employees will gather in the Front Parking Lot.

D. Emergency Shelter Areas

EKAC:
For tornado emergencies employees of specified departments will gather at the locations listed in sections 1-6.
1. Training Room
   a. All Front Office Personnel
   b. Q.C. Office & Lab / PPE
2. Main Plant Locker Rooms (Men Women's)
   a. Casting
   b. Mold Shop
   c. Receiving
   d. Maintenance
   e. VRD
   f. Machining
3. Paint / Inspection Department Restrooms
   a. Paint
   b. Inspection
4. MAC 1 Plant Locker / Restrooms
   a. MAC 1 Plant 1 Personnel
5. Enkei IT - Front Office Restrooms
6. EKAM plant restrooms.

EKAJ:
For severe weather emergencies emergencies employees of specified departments will gather at the following locations.

1. Main plant restrooms/Paint restrooms/locker rooms.
2. Front office restrooms

VIII. EMERGENCY PROCEDURES

A. Evacuation and plant shutdown will be ordered by Enkei Emergency Coordinators and/or the highest level of management available at the time of the emergency. Emergency Coordinators may utilize their Shift Assistants. If an emergency occurs other than during regular business hours, Senior Management will be notified (DOC 9.12.23.5).
B. For all emergencies, Emergency Coordinators will follow the procedures listed in the Emergency Coordinator Checklist, DOC 9.12.23.3. However, adjustments to any procedure may be necessary to prevent loss of life and/or serious injury.

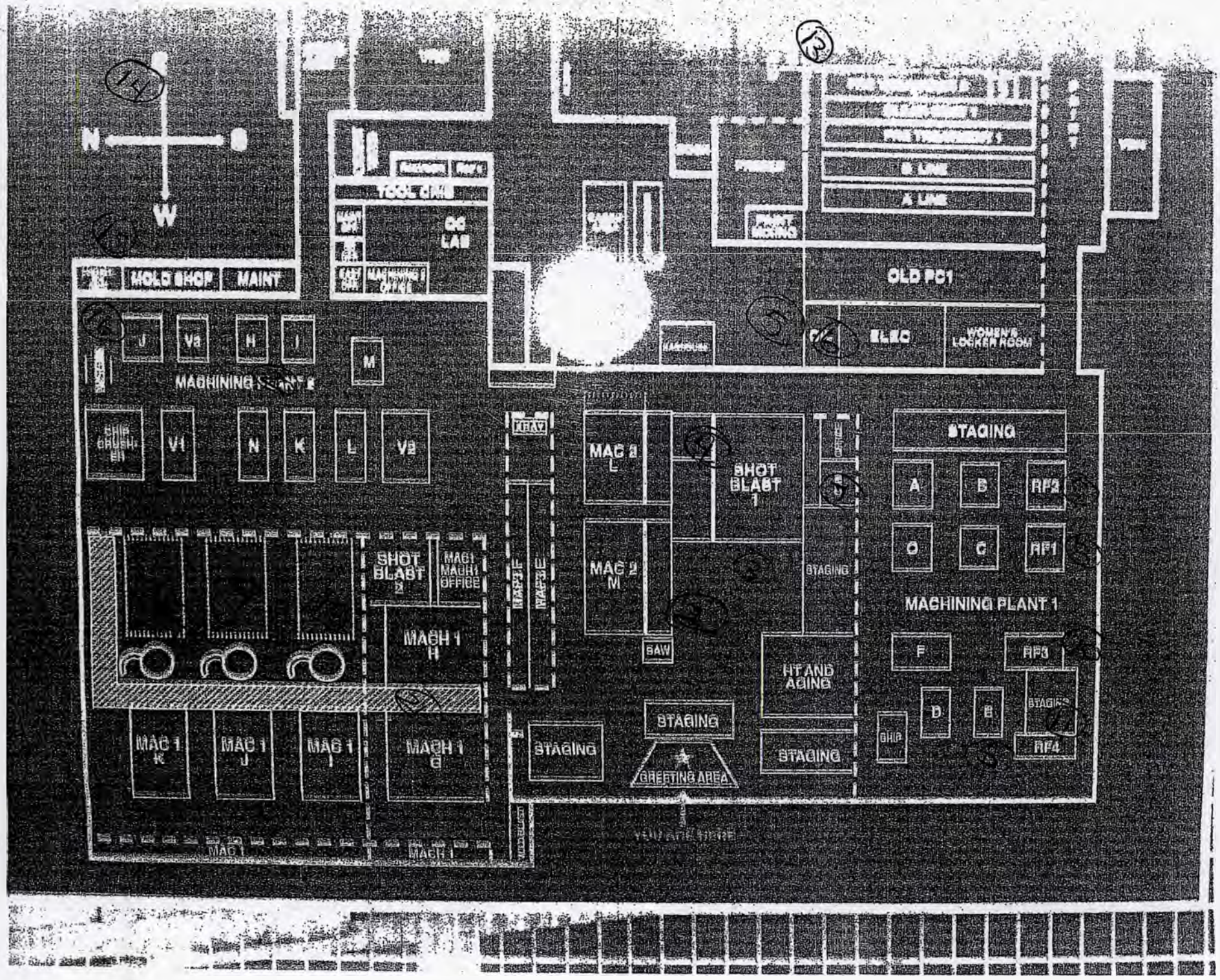
IX. TRAINING

A. Employee training will be conducted upon initial assignment and upon a job description change which requires them to become an Emergency Coordinator. Retraining or a signed notification is required when a change is made in the plan.
B. Employees will be required to participate in Emergency Evacuation Exercises and Shelter Assembly Exercises every two years. (Odd number years)
C. Training is completed annually or as re-certification and regulations require. Emergency Coordinators are responsible for maintaining their eligibility status through training and certification. In the even the employee cannot fulfill the training requirements, re-designation of assignment may occur.

X. REVIEW

This plan will be reviewed annually by the Safety Manager. This plan will also be reviewed after each occurrence of a safety or environmental incident where the plan's procedures were utilized. Upon review of the plan appropriate changes will be made to the plan as necessary to maintain the effectiveness of protecting personnel, property, and the environment. Drills will be conducted periodically per a schedule DOC 9.12.23.6 and a Drill Report DOC 9.12.23.7 will be completed and maintained by the Environmental Manager for possible changes to our plans and for retention of evidence of drill completion. In the event that a drill was not completed due to scheduling or production priorities, the drill will be made up the following year.

RECORD RETENTION: Obsolete revisions will be maintained per Record Retention Requirements found in DOC 16.1.1.


N
W
MOLD SHOP
MAINT
QC LAB
OLD PC1
ELEC
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MAG 3E
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SHOT BLAST 1
MAG 2 M
STAGING
A
B
RF2
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C
RF1
S
BAW
HT AND AGING
F
RF3
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STAGING
RF4
GREETING AREA

ENKEI Emergency Action Plan
Facility Layout Drawing

= Exit Door
= Emergency Assembly Area
= Emergency Shelter Area

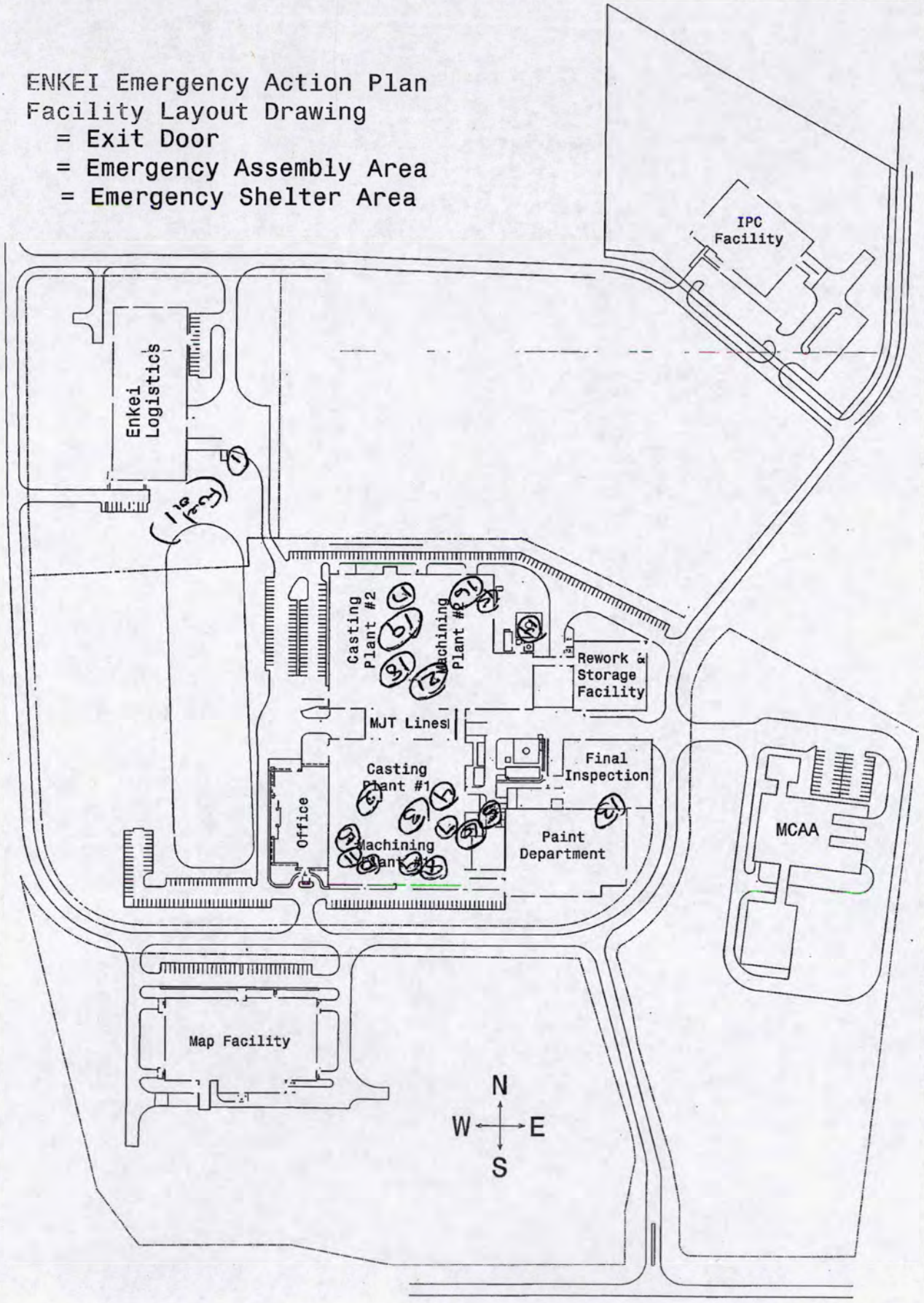

Table 3 Oil Storage (Continued)

Container Description and Volume (gallons)	Contents (Type of Oil)	Type of Equipment	Location	Map ID
One (1) 275-gallon tote*	Hydraulic Oil	Storage	Spinning I Line	18
One (1) 275-gallon tote*	Hydraulic Oil	Storage	Spinning J Line	19
One (1) 275-gallon tote*	Hydraulic Oil	Storage	Spinning K Line	17
One (1) 275-gallon tote*	Used Oil	Storage	Machining H1 Line	20
One (1) 55-gallon drum*	Lube Oil	Storage	~~Cast Machining~~ G2 Line	24

*Quantity of drums and totes may vary.

3.4 *FACILITY DISCHARGE PREVENTION MEASURES [112.7(A)(3)(II)]*

Enkei has provided adequate discharge prevention measures for oil through the implementation of this Plan. All employees who handle oil are properly trained in the topics covered by this Plan; this training is intended to reduce the likelihood of a discharge of oil. Routine inspections are conducted to discover any discharges and to prevent future discharges by noting any corrective actions that may be required. Security measures are in place to allow the discovery of any discharges and to deter vandalism that might result in a discharge.

3.5 *FACILITY DISCHARGE AND DRAINAGE CONTROLS [112.7(A)(3)(III)]*

Enkei has provided adequate discharge and drainage controls through the implementation of this Plan. Bulk storage containers containing oil are provided with secondary containment. The movement of 55-gallon drums is allowed without secondary containment, provided the drums are returned to areas of secondary containment after use. Absorbent materials are available throughout the facility to control potential discharges outside of secondary containment structures.

Table 3 *Oil Storage (Continued)*

Container Description and Volume (gallons)	Contents (Type of Oil)	Type of Equipment	Location	Map ID
One (1) 275-gallon tote*	Used Oil	Storage	Casting Dept MAC2 F Line	4
Two (2) 275-gallon totes*	Lube Oil	Storage	Oil Room Storage Area (outdoors under awning)	5
Five (5) 55-gallon drums*	Lube Oil	Storage	Oil Room	6
Six (6) 275-gallon totes*	Lube Oil	Storage	Oil Room	6
One (1) 275-gallon tote*	Coolant	Storage	Plant 1 Machine Pit	7
One (1) 55-gallon drum*	Used Oil	Storage	Plant 1 Machine Pit	7
One (1) 275-gallon tote*	Coolant	Storage	Reface 1	8
One (1) 275-gallon tote*	Coolant	Storage	Reface 2	9
One (1) 275-gallon tote*	Coolant	Storage	Reface 3	10
One (1) 275-gallon tote*	Coolant	Storage	Reface 4	10
One (1) 275-gallon tote*	Coolant	Storage	Reface 5	12
Two (2) 55-gallon drums*	Lube Oil	Storage	Paint Maintenance Department	13
Twelve-Eighteen (12-18) 55-gallon drums*	Various Petroleum Products	Storage	Waste Storage Area	14
Approx Eighteen (18) 275-gallon totes*	Various Petroleum Products	Storage	Waste Storage Area	14
Two (2) 55-gallon drums*	Compressor Oil	Storage	Plant 2 Compressor Room	15
Two (2) 275-gallon totes*	~~Coolant Compressor Oil~~	Storage	Plant 2 Machining Pit	16
One (1) 275-gallon tote*	Hydraulic Oil	Storage	Casting Dept K Line	17

*Quantity of drums and totes may vary.

3.3 *FACILITY OIL STORAGE [112.7(A)(3)(I)]*

40 CFR 112.2 defines "*oil*" as: "...oil of any kind or in any form, including, but not limited to: fats, oils, or greases of animal, fish, or marine mammal origin, vegetable oils, including oils from seeds, nuts, fruits, or kernels; and, other oils and greases, including petroleum, fuel oil, sludge, mineral oils, oil refuse, or oil mixed with wastes other than dredged spoil."

"*Bulk Storage Container*" is defined as: "...any container used to store oil. These containers are used for purposes including, but not limited to, the storage of oil prior to use, while being used, or prior to further distribution in commerce. Oil-filled electrical, operating, or mechanical equipment is not a bulk storage container."

As noted in the above definition, EPA has specifically excluded oil-filled electrical, operating, or manufacturing equipment from the definition of bulk storage container. This type of equipment is exempt from certain requirements of the SPCC rule, including secondary containment and integrity testing; however, general requirements for spill prevention and response provided in 40 CFR 112.7 are applicable to ensure any discharge does not reach navigable waters. The volume of oil storage in this equipment must also be listed in the SPCC Plan and the equipment locations shown on the facility drawings with this Plan. Table 3 lists the oil storage containers located at the facility and their respective volumes, contents, and locations. The locations of these containers are also shown on Figure 2.

Table 3 Oil Storage

Container Description and Volume (gallons)	Contents (Type of Oil)	Type of Equipment	Location	Map ID
One (1) 300-gallon tank	Diesel Fuel	Storage	Outdoors next to waste storage area	(1)
One (1) 275-gallon tote*	Lube Oil	Storage	Casting Dept MAC 2 Machine E	(2)
One (1) 275-gallon tote*	Lube Oil	Storage	Plant Machine G Line	(3)
One (1) 275-gallon tote*	Lube Oil	Storage	Casting Dept MAC2 L Line	(4)

*Quantity of drums and totes may vary.

Entzminger, James

From: Hackney, Krystal <KHackney@dhs.IN.gov>
Sent: Tuesday, April 11, 2017 3:34 PM
To: Entzminger, James
Cc: Ewusi, Ian
Subject: RE: EPCRA Compliance Review
Attachments: Enkei America Incorporated 2016 Tier II.pdf; Enkei America Incorporated 2016 Tier II Site Plan.pdf; Morgan Food Incorporated 2015 Annual Tier II.pdf; Morgan Food Site Plan.pdf

Hi James,

Our apologies on the miscommunication, we have been a little short-staffed here lately.

I have attached the current Tier II form provided by Enkei America Incorporated.
We have their records of reporting for the last 3 years. Prior reports (2013 and previous) were through IDEM.

Morgan Food did not provide a 2016 annual Tier II report this year. We have their 2014 and 2015 reports on file. Please see attached the most recent Tier II report (2015) for Morgan food.

Please let me know if I can provide any further information.

Sincerely,

Krystal L. Hackney

Krystal L. Hackney
SARA Title III Specialist
Indiana Department of Homeland Security
302 W. Washington Street, Rm E-238
Indianapolis, IN 46204

From: Entzminger, James [mailto:entzminger.james@epa.gov]
Sent: Tuesday, April 11, 2017 4:20 PM
To: Hackney, Krystal <KHackney@dhs.IN.gov>
Subject: EPCRA Compliance Review

Did you see this request from Ian? It was sent an March 20, 2017.

The U.S. Environmental Protection Agency is investigating compliance with Sections 311 and 312 of the Emergency Planning and Community Right-to-Know Act. The facilities under investigation are as follows:

Morgan Food
90 West Morgan Street
Austin, Indiana 47102

Enkei America, Inc.
2900 Inwood Drive
Columbus, Indiana 47201

To assist our investigation we are requesting that you review your Agency's records to determine if either facility provided information under Sections 311 and 312 for the last three calendar years. If either facility provided information please provide a copy of the current TIER II form. If not please provide a statement of your record search and the results. Thank you for the assistance in this matter.

If you have any questions about EPA's investigation please contact me.

James Entzminger
U.S. EPA (SC-5J)
77 West Jackson Boulevard
Chicago, Illinois 60604
312-886-4062
312-692-2419 fax